

# *2018 Annual Potato Field Day*

## *Texas Potato Breeding and Variety Development Program*

*Texas A&M AgriLife Research  
Department of Horticultural Sciences  
Texas A&M University  
Cooperator: Springlake Potato Sales Inc.*



# **2018 Field Day Handbook**

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

Creighton Miller, Isabel Vales, Jeff Koym, and Douglas Scheuring

Department of Horticultural Sciences



Texas A&M University

July 12, 2018

Hosted by Springlake Potato Sales, Inc.

Bruce Barrett

Steve Barrett

Tim Gonzalez

**Funds Received to Support  
The Texas Potato Variety Development Program  
July 1, 2017- June 30, 2018**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$99,997
Potatoes USA Chip Trials – Texas	\$21,000
Royalty returned to program	\$112,000
Industry Trial Support	\$12,000
COALS Merit Fellowship (Sam Vigue)	\$31,235
Excellence Fellowship (Jeewan Pandey)	\$27,496
T3 Project	\$10,000
	<b>\$313,728</b>

**Expected July 1, 2018 – June 30, 2019:**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$107,120
Potatoes USA Chip Trials – Texas	\$21,000
Royalty Returned to Program (Estimated)	\$112,000
Industry Trial Support	\$28,000
Bourlaug Scholarship	\$20,000
	<b>\$288,120</b>

**In-kind support:**

Springlake Potato Sales (Bruce Barrett, Steve Barrett, Tim Gonzalez, and Cliff Black)	\$40,000
CSS Farms (Milt Carter, Steve Gangwish, Grant Monie, Jerry Henderson, John Scheuring, Adam Naslund, Kelly Kuball, and Brian Zens)	\$40,000
	<b>\$80,000</b>

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

Creighton Miller – Project Director  
 Isabel Vales – Project Co-Director  
 Jeff Koym – Senior Research Associate  
 Douglas Scheuring – Senior Research Associate  
 Angel Chappell – Technical Assistant II/Lab Manager  
 Mike Jenson – Technical Assistant Lubbock  
 Sam Vigue – Graduate Student  
 Jeewan Pandey – Graduate Student  
 Sydnee Coates, Ao Jiao, Ashley Carter, and Ruth Preslar - Student Workers

As of June 7, 2018

**Current Licensees for Russet Norkotah Potato Strains, TXNS 112, TXNS 223, TXNS 278, & TXNS 296**

<b>Licensee</b>	<b>Contact</b>	<b>Location</b>	<b>Phone</b>
Ashton Combined Certified Seed	Sean Maupin	Ashton, Idaho	(208) 652-3774
Bjornstad Farms	Tom Bjornstad	Walhalla, North Dakota	(701) 370-0693
California-Oregon Seed Inc.	Robert Campbell	Oakdale, California	(209) 847-4660
Cheyne Brothers	Scott Fenters	Malin, Oregon	(541) 732-2028
Clear Horizons Seed Labs	Chase Engel	Scottsbluff, Nebraska	(308) 760-3380
Clemenson-Sobolik Farms	Kris Sobolik	Hoople, North Dakota	(701) 894-6379
Cottom Seed, Inc.	Steve Cottom	Dillon, Montana	(406) 660-6266
Countrywide Potato	Joe Thompson	Alliance, Nebraska	(800) 922-7699
CSS Farms	Milt Carter	Watertown, South Dakota	(605) 886-2577
Dan Kimm Cert. Seed Potatoes	Jack Meyer	Manhattan, Montana	(406) 209-5476
Dennie Arnold Farms	Dennie Arnold	Felt, Idaho	(208) 456-2873
Foster Land and Cattle Co	Brad Foster	Rigby, Idaho	(208) 538-5172
G&G Farms, LLC	Doug Gunnels	Center, Colorado	(719) 754-2471
Golden Ridge Farms	Paul Duncan	Jackson, Idaho	(208) 436-0502
H & H Farms	Bruce Heersink	Monte Vista, Colorado	(719) 852-2706
Hansen Seed Potatoes LLC	Chad Hansen	Dillon, Montana	(406) 683-8255
Jackson-Brush Plant Lab	Jolene Brush	Norris, Montana	(406) 685-3340
Jim Carlson Farms	Jim Carlson	Culver, Oregon	(541) 546-2632
Jorde's Certified Seed Potatoes	Mitch Jorde	Cando, North Dakota	(701) 968-3244
Lane Farms, Inc.	Rob Lane	La Grande, Oregon	(541) 786-5263
Little Camas Seed Company	Don McFarland	Twin Falls, Idaho	(208) 734-0004
Martinez Farms	Segundo Diaz	Alamosa, Colorado	(719) 852-2498
Moss Farms Operations LLC	Klade Williams	Rupert, Idaho	(208) 434-2038
Palmgren Farms Inc.	Kent Palmgren	Center, Colorado	(719) 850-2084
Parkinson Seed Farm	Dirk Parkinson	St. Anthony, Idaho	(208) 652-7340
Price Farms Certified Seed Co.	Kent Price	Center, Colorado	(719) 754-2112
Pure Potato, LLC	Marlys Bedlington	Lynden, Washington	(360) 354-6555
Real Potatoes Ltd	Gerard Basten	Cornwall, PEI, Canada	(902) 368-2669
Salazar Farms	Leroy Salazar	Manassa, Colorado	(719) 376-5412
Schroeder Bros. Farms, Inc.	John Schroeder	Antigo, Wisconsin	(715) 623-2689
Skyline Farms	Bruce Arnold	St. Anthony, Idaho	(208) 456-2537
Summit Plant Laboratories	Vicki Lee	Fort Collins, Colorado	(970) 224-2021
Ted Baginski & Sons	Mike Baginski	Antigo, Wisconsin	(715) 627-7753
Valley Tissue Culture	Sandi Aarestad	Halstad, Minnesota	(218) 456-2161
Zapata Seed	Brian Brownell	Hooper, Colorado	(719) 754-9048

As of March 10, 2018

**Current Licensees for 'Reveille Russet' Potato**

<b>Licensee</b>	<b>Contact</b>	<b>Location</b>	<b>Phone</b>
Bothell Seed, LLC	Eric Bothell	Center, Colorado	(719) 754-3686
Bula Potato Farms Inc.	Adam Bula	Antigo, Wisconsin	(715) 275-3430
Clear Horizons Seed Lab	Chase Engel	Scottsbluff, Nebraska	(308) 760-3380
Countrywide Potato	Joe Thompson	Alliance, Nebraska	(800) 922-7699
CSS Farms	Milt Carter	Watertown, South Dakota	(605) 886-2577
Everything Potatoes, Inc.	Sandy Bragg	Idaho Falls, Idaho	(208) 227-6435
G & G Farms, LLC	Doug Gunnels	Center, Colorado	(719) 754-2471
Hanson Seed Farm LLC	Scott Hanson	Cornell, Michigan	(906) 384-6908
Krueger Seed Farms, Inc.	Rodney Krueger	Hawks, Michigan	(989) 734-2755
Martinez Farms, LLC	Segundo Diaz	Alamosa, Colorado	(719) 852-2498
Salazar Farms	LeRoy Salazar	Manassa, Colorado	(719) 376-5412
Sklarczyk Seed Farm, LLC	Ben Sklarczyk	Johannesburg, Michigan	(989) 731-5452
Summit Plant Laboratories	Vicki Lee	Fort Collins, Colorado	(970) 224-2021
Valley Tissue Culture	Sandi Aarestad	Halstad, Minnesota	(218) 456-2161
Worley Family Farms LLC	Carla Worley	Monte Vista, Colorado	(719) 852-4097
Zapata Seed	Brian Brownell	Hooper, Colorado	(719) 754-9048

## 2018 Springlake Plot Plan

			<b>TXPPsp</b>											
	<b>TXRD</b>				<b>TXWH/Ysp</b>									
					<b>WH/Ysp</b>									
	<b>RDWsp</b>		<b>TXFINGsp</b>											
					<b>TXSMsp</b>		<b>Seedlings</b>							
			<b>TXRD/Ysp</b>											
<b>Seedlings</b>	<b>FDTRD/SPCsp</b>	<b>Blank</b>	<b>FDTRU/CHsp</b>	<b>Blank</b>	<b>RD/Ysp</b>	<b>Blank</b>	<b>TXRUsp</b>	<b>Blank</b>	<b>Seedlings</b>	<b>Mat</b>	<b>Blank</b>	<b>Seedlings</b>		<b>Micro</b>
<b>1-10</b>	<b>13-22</b>	<b>23-24</b>	<b>25-34</b>	<b>35-36</b>	<b>37-46</b>	<b>47-48</b>	<b>49-58</b>	<b>59-60</b>	<b>61-83</b>	<b>85-94</b>	<b>95-96</b>	<b>97-129</b>		<b>Circle 16</b>

## Texas Potato Variety Development Program 2018 Trials

Location	Trial	Planted
Springlake	Mycorrhizal Study	3/25/18
	Field Day Red/Specialty (85)	3/21/18
	Western Region Red (7)	3/21/18
	Texas Advanced Selections Red (18)	3/21/18
	Field Day Russet/Chip (95)	3/20/18
	Texas Advanced Selections Red/Yellow Flesh (6)	3/20/18
	Western Region Fingerling (4)	3/20/18
	Southwestern Purple Skin Purple Flesh (7)	3/20/18
	Western Region Red/Yellow (4)	3/22/18
	Texas Advanced Selections Small Potatoes (12)	3/22/18
	Western Region White/Yellow (12)	3/22/18
	Texas Advanced Selections White Skin Yellow Flesh (9)	3/22/18
	Texas Advanced Selections Russet (19)	3/23/18
	Maturity Study	3/28/18
	<b>Total Entries</b>	<b>303</b>
Dalhart	Mycorrhizal Study	5/13/18
	National Chip (146)	5/14/18
	17SELChip (118)	5/14/18
	Western Region Chip (16)	5/14/18
	Texas Advanced Chip Selections (38)	5/14/18
	Western Region Red (8)	5/15/18
	Texas Advanced Red Selections (17)	5/15/18
	17SELRed (7)	5/15/18
	Western Region Red/Yellow (5)	5/15/18
	Texas Advanced Red/Yellow Selections (5)	5/15/18
	17SELRed/Yellow(29)	5/15/18
	Western Region White/Yellow (13)	5/15/18
	Texas Advanced White/Yellow Selections (11)	5/15/18
	17SELWhite/Yellow (62)	5/15/18
	Texas Advanced Purple Flesh Selections (6)	5/15/18
	Texas Advanced Small Selections (13)	5/15/18
	17SELSmall (15)	5/15/18
	Texas Advanced Fingerling Selections (4)	5/15/18
	17SELFing (6)	5/18/18
	Western Region Russet (26)	5/16/18
Texas Advanced Russet Selections (17)	5/16/18	
17SELRu (122)	5/18/18	
<b>Total Entries</b>	<b>684</b>	

## Seedlings for Selection in Texas - 2018

### Seedlings planted at Springlake

Source	Families	Total Planted
Colorado	93	19,943
Texas	56	9,775
Total	149	29,718

### Seedlings planted at Dalhart

Source	Families	Total Planted
Texas	59	30,377
Texas mini tubers	17	807
Idaho	123	10,582
North Dakota	72	10,819
Total	271	51,778

**Grand Total – 81,496** seedlings from 403 families (crosses) were planted in 2018.



## 2018 Field Day Trial in Entry Order

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

#### Red Skin White Flesh

**Chieftain(001)**-Round Red. Parentage (1a1027-18 x La1354). Cross was made and selected at Iowa State University.

Uses: fresh

Strength: yield+, large tubers

Weakness: light skin, silver scurf

Cutting Notes: nice shape

**Red LaSoda(002)**-Oblong Red. Parentage (Triumph x Katahdin). Cross was made and selected in Louisiana. Red LaSoda is a clonal selection from LaSoda made by Louisiana State University. Medium maturity. Medium-large vine size. Purple flower color.

Uses: fresh

Strength: yield++

Weakness: deep eyes, ZC silver scurf

Cutting Notes: deep eyes

**NDTX071258Bs-1R(003)**-Red. Parentage (ND 039035B-9R x ND 4659-5R). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness: lenticels, color-

Cutting Notes: small

**MSW343-2R(004)**-Red. Parentage (??). Cross was made and selected at Michigan State University.

Uses: fresh

Strength:

Weakness: heat sprouts

Cutting Notes:

**005MSX569-1R(005)**-Red. Parentage (??). Cross was made and selected at Michigan State University.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

#### **Fill(006)**

**CO99076-5R (007)**-Red. Parentage (AC91848-1 x Rio Colorado). Cross was made and selected in Colorado.

Uses:

Strength:

Weakness:

Cutting Notes:

**CO98012-6R (008)**-Red. Parentage (A79543-4R x AC91844-2). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**ATX08121-5R(009)**-Oblong Red. Parentage (A02267-5PY x CO98012-5R). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: nice shape and color

Weakness: variable size, drop, large tubers, light skin, silver scurf

Cutting Notes: cream flesh

**COTX00104-6R(010)**-Round Red. Parentage (ND3574-5R X C086218-2). Cross was made in Colorado and selected in Texas. Early Maturity. Medium vine size. Purple flower color.

Uses: fresh

Strength: nice shape

Weakness: silver scurf, road map, poor skin, many B's

Cutting Notes: reddish purplish skin color

**COTX02293-4R(011)**-Red. Parentage (NDC5281-2R x ND3574-5R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense skin color, nice shape

**COTX07054-2R(012)**-Oblong Red. Parentage (ATDC9801-3P x CO99076-6R) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice skin, nice size, keep, BOT-, nice shape, uniform

Weakness: small, silver scurf

Cutting Notes: uniform size and shape

**COTX14035-1R(013)**-Red. Parentage (CO99076-6R x NDC081655-1R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: beautiful skin color

**COTX14035-2R(014)**-Red. Parentage (CO99076-6R x NDC081655-1R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense red skin

**COTX14087-1R(015)**-Red. Parentage (CO06024-7RU x CO08071-6RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: bad storage, rotten, shriveled, intense red skin

**COTX14128-1R(016)**-Red. Parentage (NDTX5438-11R x CO05211-4R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense skin color, silver scurf

**COTX14107-3R(017)**-Red. Parentage (CO07322-3R x NDC081655-1R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**COTX14107-4R(018)**-Red. Parentage (CO07322-3R x NDC081655-1R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense skin color,

**NDTX12248Y-1R(019)**-Red. Parentage (95043.11 x Dakota Ruby). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: shriveled, creamy flesh

**NDTX13105-1R(020)**-Red. Parentage (ATND99331-2PintoY x ND7132-1R). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice

**NDTX4784-7R(021)**-Round Red. Parentage (ND3574-5R x ND2050-1R). Cross was made in North Dakota and selected in Texas. Early maturity. Medium vine size. Lavender flower color

Uses: fresh

Strengths: nice shape nice appearance high yield, good color heavy set BOT+, smooth

Weaknesses: road map silver scurf light set, poor skin finish: silver scurf

Cutting Notes: intense skin color,

**TX14612-1R(022)**-Red. Parentage (BTX2332-1R x NDTX4784-7R). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: shriveled, dry rot

**TX14615-3R(023)**-Red. Parentage (COTX02172-1R x NDTX4784-7R). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: shriveled, silver scurf

**TX14615-4R(024)**-Red. Parentage (COTX02172-1R x NDTX4784-7R). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: silver scurf, intense skin color,

**TX14619-2R(025)**TX14619-2R (023)-Red. Parentage (NDTX4784-7R x BTX2332-1R). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice flesh

**TX14621-2R(026)**-Red. Parentage (NDTX4784-7R x NDTX081648CB-4W). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: rot, shriveled

**TX14632-2R(027)**-Red. Parentage (ATTX05186-3W/Y x NDTX059759-3Pinto/Y). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: large tubers, intense skin color, creamy flesh

## **Red Skin Yellow Flesh**

**ATTX05175s-1R/Y(028)**-Round Red/Yellow. Parentage (A99331-2RY X COA99261-IRY). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: nice shape, nice flesh, BOT+

Weakness: silver scurf, very small, light skin, FC=3.5

Cutting Notes: vey intense yellow flesh

**COTX04193s-2R/Y(029)**-Oblong Red/Yellow. Parentage (ATC98515-1R/Y x ND3574-5R). Cross was made in Colorado and selected in Texas. Medium-early maturity. Small vine size.

Uses: fresh

Strength: very nice skin and flesh, BOT++

Weakness: scurf++, small, nice size, silver scurf, FC=4.0

Cutting Notes: very intense yellow flesh

**CO09079-5PW/Y(030)**-Oval White/Yellow. Parentage (CO04117-5PW/Y x A00286-3Y). Cross was made and selected in Colorado. Medium-early maturity. Medium vine size. Purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes: very intense yellow flesh

**ATX02263-1R/Y(031)**-Red/Yellow. Parentage (Inca Gold x A92653-6R). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: pointy, intense red skin color,

**ATTX10265-4R/Y(032)**-Oblong Red/Yellow. Parentage (A02267-2PY X US 147-96RIY). Cross was made in Idaho, tuberling produced in Texas and selected in Texas.

Uses: fresh

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

Weakness: some flat, light skin, small, FC=3.5

Cutting Notes: nice seed, small

**BTX2103-1R/Y(033)**-Oblong Red/Yellow. Parentage (BO811-13 x ARS-W82-21285-1). Cross was made in Beltsville, MD and selected in Texas. Late maturity. Medium vine size. Red-purple flower color.

Uses: fresh

Strength: nice color, smooth, nice dark yellow flesh, nice shape

Weakness: small, light set, silver scurf, FC=4.0

Cutting Notes: medium size tubers

**NDTX059759-3RY/YPinto(034)**-Oblong Pinto/Yellow. Parentage (ATND 99331-2 Pinto x ND 7834-2P). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice red skin color, nice flesh, smooth skin, BOT

Weakness: some flat, small, many B's, psyllid? some bigger, FC=3.0

Cutting Notes: nice pattern

**NDTX13264B-1R/Y(035)**-Red/Yellow. Parentage (ND071179B-10R x ND5858). Cross was made in North Dakota and selected in

Uses:

Strength:

Weakness:

Cutting Notes: intense skin color, yellow pink flesh

**Sierra Rose(036)**-Oblong Red/Yellow. Parentage (A90601-2RDY X Mazama). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas. Early maturity. Medium vine size. Purple flower color

Uses: fresh

Strength: smooth, nice shape BOT-, nice size and shape

Weakness: heat sprouts, light yellow flesh, some silver scurf, FC=2.5

Cutting Notes: silver scurf

**TX14646-1W-R/YPinto(037)**-White Red/Yellow Pinto. Parentage (NDTX059759-3Pinto x BTX2332-1R). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: large tubers, yellow pink flesh

## **White/Yellow Flesh**

**Yukon Gold(038)**-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 and Food, Guelph, Ontario. Medium-early maturity. Medium-large vine size. Violet flower color.

Uses: fresh

Strength: smooth, nice shape and flesh,

Weakness: FC=3.

Cutting Notes: large

**CO09128-3W/Y(039)**-Oval White/Yellow. Parentage (A00293-2Y x CO03060-2W/Y). Cross was made and selected in Colorado. Early maturity. Small vine size. Light purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes: small

**CO09128-5W/Y(040)**-Round White/Yellow. Parentage (A00293-2Y x CO03060-2W/Y). Cross was made and selected in Colorado. Early maturity. Medium small vine size. White flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense yellow flesh, flat

**CO09218-4W/Y(041)**-Oval White/Yellow. Parentage (ATC00293-1W/Y x CO00412-5W/Y). Cross was made and selected in Colorado. Late maturity. Large vine size. White flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense yellow flesh

**AC10376-1W/Y(042)**-Oval White. Parentage (Gala x Granola). Cross was made in Idaho and selected in Colorado. Medium late maturity. Large vine size. White flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes: oval, intense yellow flesh

**CO10064-1W/Y(043)**-Round White/Yellow. Parentage (CO00412-5W/Y x CO04099-4W/Y). Cross was made and selected in Colorado. Medium maturity. Large vine size. Purple flower color Large

Uses: fresh

Strength:

Weakness:

Cutting Notes: oval, flat

**CO10097-2W/Y(044)**-Round White/Yellow. Parentage (CO04067-10W/Y x CO00412-5W/Y). Cross was made and selected in Colorado. Medium maturity. Large vine size. White flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO10098-4W/Y(045)**-Round White/Yellow. Parentage (CO04099-3W/Y x CO04099-4W/Y). Cross was made and selected in Colorado. Medium maturity. Medium large vine size. Dark red purple flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes: oval, very very intense yellow flesh

**CO10098-5W/Y(046)**-Oblong White/Yellow. Parentage (CO04099-3W/Y x CO04099-4W/Y). Cross was made and selected in Colorado. Medium maturity. Medium vine size. Red purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

Cutting Notes: nice shape, uniform

**ALEGRIA(047)**-Round White. Parentage (AC-Round White. Parentage (Divina x 3.169 010-86). Cross was made and selected in Germany. Medium maturity. Medium-large vine size.

Uses: fresh

Strength:

Weakness:

Cutting Notes: yellow greenish flesh

**WENDY(048)**-White Parentage (??). Cross was made and selected in Germany.

Uses: fresh

Strength:

Weakness:

Cutting Notes: hollow heart, intense yellow flesh, oblong

**Soraya(049)**-White. Parentage (Marabel x 1.307 120-93). Cross was made and selected in Germany.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**AORTX11913-3Wre/Y(050)**-Round White-Red Eye/Yellow. Parentage (A03576-5Y x NDA050237B-1R). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: fresh

Strength: splash, nice shape

Weakness: small, very light yellow flesh, some IBS, FC=1.5

Cutting Notes: small, uniform, light yellow flesh

**ATTX11591-1W/Y(051)**-White/Yellow. Parentage (A05175-7RY x A05201-1Y). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense yellow flesh

**ATTX11591-3W/Y(052)**-White/Yellow. Parentage (A05175-7RY x A05201-1Y). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense yellow flesh



**ATX11567-1W/Y(053)**-White/Yellow. Parentage (A02267-1Y x A05201-1Y). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses: fresh

Strength:

Weakness:

Cutting Notes: very intense yellow flesh

**BTX1749-1W/Y(054)**-Oblong White/Yellow. Parentage (K7-6 x BO925-4). Cross was made in Beltsville, MD and selected in Texas. Medium maturity. Large vine size.

Uses: fresh.

Strength: nice shape

Weakness: heat sprouts, variable size, road map, poor skin finish, some IBS, some buff skin, FC=2.0

Cutting Notes: uniform size

**COTX10097-2W/Y(055)**-Oblong White/Yellow. Parentage (CO04067-10W/Y x CO00412-5W/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: yield+, nice shape and flesh, BOT+

Weakness: variable size, FC=3.5

Cutting Notes: oblong, intense yellow flesh

**COTX14220-2W/Y(056)**- White/Yellow. Parentage (AC07281-1W/Y x Yukon Nugget). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: very intense yellow flesh, smooth skin

**ORTX13SP218-1W-P/Y(057)**-White Purple eye/Yellow. Parentage (PI604214FS x PALLIDA CPC) Cross was made in Oregon and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: purple eye shadows

**Sierra Gold(058)**-Round-Oblong Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Early maturity. Medium vine size.

Uses: fresh

Strength: nice uniform, very nice skin, shape, and flesh BOT+

Weakness: FC=3.5

Cutting Notes: russet skin, intense yellow flesh

**TX14602-2W/Y(059)**-White/Yellow. Parentage (COTX05095-2Ru/Y x Atlantic). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: uniform size, small

**TX14670-2W/Y(060)**TX14670-2W/Y (059)-White/Yellow. Parentage (MSN190-2 x ATTX07042-3W). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: buff skin, uniform size and shape

## **Small Potato**

**AORTX11913-4P(061)**-Oblong Purple. Parentage (A03576-5Y x NDA050237B-1R). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: fresh

Strength: white flesh, keep, nice skin finish, nice flesh, ok numbers

Weakness: silver scurf, sticky stolon, variable skin, small, poor shape, too small, drop++, FC=1.0

Cutting Notes: not uniform size, attached stolons

**ATX98444S-16R/Y**-Oblong Red/Yellow. Parentage (A83360-9R X T48YF). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: very heavy set, very nice flesh, numbers good, good shape and flesh BOT++

Weakness: poor skin, silver scurf, small, FC=4.0

Cutting Notes: small, intense yellow flesh, shriveled seed

**ATX05186s-1R(063)**-Oblong Red. Parentage (A99433-5Y x VC1075-1R). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: pretty red, nice skin, nice size

Weakness: rough, drop, deep eyes??, some road map,FC=1.0

Cutting Notes: nice skin

**ATX05202S-3W/Y(064)**-Oblong White/Yellow. Parentage (A00286-3Y x A99433-5Y). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: high set, yield+, BOT+, nice shape, good numbers and shape, keep

Weakness: heat sprouts, drop, very small, light flesh, poor skin, too big, scurf++FC=2.0

Cutting Notes: uniform size, intense yellow flesh

**ATX06264S-4R/Y(065)**-Round Red/Yellow. Parentage (A99331-2RY x Durango Red). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness: silver scurf, FC=3.5

Cutting Notes: intense yellow flesh, rotten tubers

**ATX11533-1W/Y(066)**-White/Yellow. Parentage (V15-71 x A03449-2C). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses:

Strength:

Weakness:

Cutting Notes: growth cracks, few tubers

**ATX11548s-1R(067)**-Red. Parentage (NDA050237B-1R x NDA050204-1R). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses:

Strength:

Weakness:

Cutting Notes: intense skin color

**COTX03134-1W(068)**-Round White. Parentage (Laratte x PA97B36-3). Cross was made in Colorado and selected in Texas. Late maturity. Small vine size. Red purple flower color.

Uses: fresh

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

Weakness: lots of smalls, white flesh, FC=1.0

Cutting Notes: small

**COTX04050S-1P/P(069)**-Oblong Purple/Purple. Parentage (CO97215-2P/P x CO97306-2P/P). Cross was made in Colorado and selected in Texas

Uses: fresh

Strength: purple flesh, nice shape, very dark flesh, keep, numbers good and flesh, good skin, keep, nice size and shape

Weakness: heat sprouts, drop, skin color??. some feathering, scurf++, FC=5.0

Cutting Notes: small

**COTX10073S-1W(070)**-Oblong White. Parentage (A97066-42LB x Alpine Russet). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: high set, nice shape, nice size and skin, good yield, smooth, BOT

Weakness: white flesh, drop, FC=1.0

Cutting Notes: small, uniform size and shape, creamy flesh

**COTX10138S-7W/Y(071)**-Round White/Yellow. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: good numbers and shape, keep, good skin, yield+, nice shape and flesh, BOT

Weakness: purple eyes, cull purple eyes, drop

Cutting Notes: small, uniform size and shape, intense yellow flesh

**NDTX081451CBS-1Y/Y(072)**-Oblong Yellow/Yellow. Parentage (Dakota Diamond x Gala) Cross was made in North Dakota and selected in Texas. Late maturity. Large vine size. White flower color.

Uses: fresh

Strength: BOT+, nice skin finish, yield+, nice flesh, nice size, smooth

Weakness: too big, oblong, variable size, FC=3.5

Cutting Notes: uniform size and shape

**NDTX1287B-1W(073)**-Round White. Parentage (ND8559-20 x ND7379B-6). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice size and skin, white flesh

Weakness: light set, FC=1.0

Cutting Notes: rough skin

**TX09406S-1P/P(074)**-Round Purple/Purple. Parentage (A99331-2RY x CO00405-1R) Cross was made and selected in Texas.

Uses: fresh

Strength: keep, very dark purple flesh, nice size, good numbers and shape

Weakness: too big, growth cracks, some white in flesh, skin??, FC=5.0

Cutting Notes: uniform size and shape

## **Fingerling**

**LaRatte(075)**-Long White. Parentage (??). Clone originated in France.

Uses:

Strength:

Weakness:

Cutting Notes: yellow flesh, nice

**POR11PG62-3(076)**-Long Yellow/Pink Splash. Parentage (Diverse x High Car). Cross was made and selected in Prosser, WA. Medium early maturity. Medium small vine size. Purple flower color

Uses: fresh.

Strength:

Weakness:

Cutting Notes: splashed red yellow skin, bulging eyes

**Banana(077)**-Long White. Parentage (Grown in British Columbia for over 90 years. Research indicates that the variety might have been introduced to early settlers and natives by Russian fur traders. The exact origin, parental lines or breeding techniques used in its development are not known.)

Uses: fresh

Strength: lots of marketable tubers, nice flesh

Weakness: more culls, some large

Cutting Notes: ugly, yellow flesh

**078PORTX03PG25-2R/R(078)**PORTX03PG25-2R/R (004)-Round Red/Red. Parentage (PA97B35-1 x PA99P7-2). Cross was made in Prosser, WA, tuberling grown in Oregon and selected in Texas.

Uses: fresh.

Strength: BOT, good skin, shape, and flesh, nice red flesh

Weakness: silver scurf, low tuber number, too fat and short, FC=4.0

Cutting Notes: nice flesh, nice shape

## **Purple-Red Skin/Purple-Red Flesh**

***Purple Majesty(079)***-Oblong Purple/Purple. Parentage (ND2008-2 x All Blue). Cross made and selected in Colorado. Late maturity. Large vine size. Blue flower color

Uses: fresh. Strengths: very dark flesh Weaknesses:

Cutting Notes: intense purple flesh

***CO08037-2P/P(080)***-Oval Purple/Purple. Parentage (CO03031-2R/Rx CO97215-2P/P). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense purple flesh and skin

***ATX08121-3P/Y(081)***-Purple/Purple. Parentage (A02267-5PY x CO98012-5R). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: yellow flesh, keep, uniform, smooth nice skin and flesh

Weakness: small, FC=3.5

Cutting Notes: uniform size and shape

***ATX11549-1P/Y(082)***-Purple/Yellow. Parentage (Huckleberry Gold x ND8555-8R). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses:

Strength:

Weakness:

Cutting Notes: large tubers

***ATX11556-1P/Y(083)***-Purple/Yellow. Parentage (A99331-2RY x NDA050237B-1R). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses:

Strength:

Weakness:

Cutting Notes: round, clean skin

***COTX10138-19P/Y(084)***-Oblong Purple/Yellow. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: yellow flesh, keep, nice shape

Weakness: poor internals, poor flesh, some IBS, FC=4.0

Cutting Notes:

***TX14629-1P/P(085)***-Purple/Purple. Parentage (COTX04050-1P/P x NDTX4764-7R). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: large tubers

## Russet, Chip Selections/Varieties

### Russet Selections

**Reville Russet(001)**-Oblong Russet. Parentage (A81473-2 x A8343-12) Cross was made in Idaho, and selected in Texas. Medium maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: very nice shape BOT++, higher % of large tubers, heavy set, larger tubers

Weakness: some pointed

Cutting Notes: nice shape

**TX08352-5Ru(Vanguard)(002)**-Long Russet. Parentage (TXA549-1Ru x AOTX98137-1RU). Cross was made and selected in Texas.

Uses: fresh

Strength: nice size, larger tubers, heavy set, BOT- yield+, nice shape,

Weakness:

Cutting Notes: bulky, nice

**TX13590-9Ru(003)**-Long Russet. Parentage (PALB03016-3 x Waneta). Cross was made and selected in Texas.

Uses: fresh

Strength: blocky, nice skin and shape

Weakness:

Cutting Notes: small

**COTX09022-3RuRE/Y(004)**-Oblong Red Eye Russet/Yellow. Parentage (A00286-3Y x CO99100-1RU) Cross was made in Colorado and selected in Texas. Medium early. Large vine size. White flower color

Uses: fresh

Strength: red eyes, nice flesh, BOT-, yield+

Weakness: round to oblong shape

Cutting Notes: chip it, roundish

**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

Strength: nice shape, nice skin

Weakness: second set, ZC, small, skinny, curved, variable size

Cutting Notes: nice shape

**Ranger Russet(006)**-Long Russet. Parentage (Butte x A6595-3). Cross was made and selected in Idaho. Released in 1991 by USDA-ARS, and the Colorado, Idaho, Oregon and Washington Agricultural Experiment Stations. Medium-late maturity. Large vine size. White flower color.

Uses: fresh

Strength: nice shape and skin

Weakness: rough, poor shape, pointed, some rough, feathering, small

Cutting Notes: ugly, very long, skinny

**Russet Burbank(007)**-Long Russet. Luther Burbank reported the origin of Russet Burbank in 1914 as a chimeric selection from the variety Burbank by Lou Sweet. Lou Sweet was a potato grower in the western slope area of Colorado and was President of the Potato Association of America in 1920. Late maturity. Large vine size. White flower color.

Uses: fresh

Strength:

Weakness: misshapen, pointed, drop, skinny, rough

Cutting Notes: pointy, not uniform russetting

**Shepody(008)**-Long White. Parentage (Bake King x F58050). Selected in New Brunswick, Canada and released by Agriculture Canada, New Brunswick in 1980. Medium-late maturity. Medium vine size. Light violet flower color with white tips.

Uses: dual

Strength: white skin

Weakness: drop, some rough, heat sprouts+, poor shape

Cutting Notes: smooth skin, curvy

**A06030-23(009)**-Oblong Russet. Parentage (A99133-6 x Premier Russet). Cross was made and selected in Idaho. Medium early maturity. Small vine size. Whiter flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes: nice russet skin, pressure cracks

**A07061-6(010)**-Blocky Russet. Parentage (Targhee Russet x Clearwater Russet). Cross was made and selected in Idaho.

Uses: dual

Strength:

Weakness:

Cutting Notes: lighter skin, pressure cracks

**A071012-4BF(011)**-Blocky Russet. Parentage (A85331-7 x A01054-4). Cross was made and selected in Idaho. Medium late maturity. Medium-large vine size. White flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes: light russetting

**A07769-4(012)**-Blocky Russet. Parentage (PA01N32-1 x Premier Russet). Cross was made and selected in Idaho. Medium early maturity. Small vine size. Red-purple flower color.

Uses:

Strength:

Weakness:

Cutting Notes: golden skin, bulky, light russetting

**A08433-4VR(013)**-Oblong Russet. Parentage (A01667-3 x AOND95249-1Russ). Cross was made and selected in Idaho. Medium maturity. Large vine size. White flower color

Uses: dual

Strength:

Weakness:

Cutting Notes: uneven russeting, pointy

**A10021-5TE(014)**-Long Russet. Parentage (A03921-2 x Mountain Gem Rus). Cross was made and selected in Idaho. Early maturity. Small vine size. White flower color.

Uses:

Strength:

Weakness:

Cutting Notes: nice russet skin

**A002183-2(015)**-Oblong Russet. Parentage (A98082-17 x Premier R). Cross was made in Idaho and selected in Oregon. Medium-late maturity. Medium-small vine size. White flower color.

Uses: dual

Strength: nice shape

Weakness: skinny, curved, light skin, small

Cutting Notes: pointy, skinny

**A006191-1(016)**-Oblong Russet. Parentage (A99134-1 x AC92009-4RU). Cross was made in Idaho and selected in Oregon. Medium-early maturity. Medium vine size.

Uses: dual

Strength: nice dark skin

Weakness: curved, rough, large tubers, pointed, small

Cutting Notes: nice russet skin, bulky

**AOR06576-1(017)**-Long Russet. Parentage (AO0487-22LB x A93575-4). Cross was made in Idaho and selected in Oregon. Late maturity. Medium-large vine size. White flower color.

Uses:

Strength:

Weakness:

Cutting Notes:

**AOR07781-5(018)**-Long Russet Parentage (PA92A08-17 x PALB03035-6). Cross was made in Idaho and selected in Oregon. Medium maturity. Medium vine size. White flower color

Uses: dual

Strength: nice shape, nice skin

Weakness:

Cutting Notes: yellow flesh, deep eyes, blocky

**A019AOR07821-1(019)**-Oblong Russet. Parentage (WHA4052-1 x Clearwater Russet). Cross was made in Idaho and selected in Oregon. Medium-maturity. Medium vine size. Lavender-Purple flower color.

Uses:

Strength:

Weakness:

Cutting Notes: flat, enlarged lenticels



**AOTX05043-1Ru(020)**-Oblong Russet. Parentage (A99032-2TE x Summit Russet). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas. Early maturity. Small vine size. White flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes: some wrinkled

**CO08155-2RU/Y(021)**-Oblong Russet/Yellow. Parentage (Fortress Russet x Innovator). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color.

Uses: fresh

Strength: nice light yellow flesh, nice shape

Weakness: drop, light skin, skinny

Cutting Notes: nice russetting, uniform size and shape

**CO08231-1RU(022)**-Oblong Russet. Parentage (Crestone Russet x Sage Russet). Cross was made and selected in Colorado. Medium maturity. Large vine size. White flower color.

Uses: fresh

Strength: nice shape

Weakness: variable size, drop, small, light skin second set

Cutting Notes: small, light russet

**CO09036-2RU(023)**-Long Russet. Parentage (AO98282-5 x CO03267-4RU). Cross was made and selected in Colorado. Medium maturity. Large vine size. White flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes: skinny, nice russetting

**CO09076-3RU(024)**-Oblong Russet. Parentage (CO03380-2RU x CO03202-1RU). Cross was made and selected in Colorado. Medium maturity. Large vine size. White flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes: a little flat

**CO09205-2RU(025)**-Oblong Russet. Parentage (AOA95154-1 x CO95086-8RU). Cross was made and selected in Colorado.

Uses: dual

Strength:

Weakness:

Cutting Notes: pointy

**COTX05095-2Ru/Y(026)**-Long Russet/Yellow. Parentage (CO99045-1W/Y x AO96164-1). Cross was made in Colorado and selected in Texas. Medium maturity. Medium vine size. White flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes: yellow flesh, bulky, shrinkage

**CO10087-4RU(027)**-Oblong Russet. Parentage (CO03367-1RU x Mercury Russet). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color

Uses:

Strength:

Weakness:

Cutting Notes: very nice russeting, uniform size and shape

**CO10091-1RU(028)**-Oblong Russet. Parentage (CO03371-4RU CO98067-7RU). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses:

Strength:

Weakness:

Cutting Notes: nice russeting, a little flat

**ATX11379-1Ru(029)**-Russet. Parentage (AO00057-2 x Clearwater Russet). Cross was made in Idaho and selected in Texas.

Uses:

Strength:

Weakness:

Cutting Notes: blocky, nice russet skin

**ATX12058-1Ru(030)**-Russet. Parentage (A01010-1 x A07030-12TE). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: light russet skin, golden skin color

**ATX13108-2Ru(031)**-Russet. Parentage (Dakota Trailblazer x A061071-3CSR). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses:

Strength:

Weakness:

Cutting Notes: not uniform size

**COTX08322-10Ru(032)**-Russet. Parentage (Blazer Russet x AC96052-1RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice russet skin, parent

**COTX10080-2Ru(033)**-Long Russet. Parentage (CO03364-5RU x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice skin, heavy set++, nice shape, smooth BOT, uniform size and shape

Weakness: ZC, deep eyes, small

Cutting Notes: uniform size and shape, nice russet skin

**COTX13215-1Ru(034)**-Russet. Parentage (A02507-2LB x CO05110-6RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: shriveled

**COTX13215-2Ru(035)**-Russet. Parentage (A02507-2LB x CO05110-6RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: golden skin color

**COTX14132-1Ru(036)**-Russet. Parentage (POR06V12-3 x AC05039-2RU). Cross was made in Colorado and selected in Texas.

Uses:

Strength:

Weakness:

Cutting Notes: possibly PVY resistant

**COTX14250-1Ru(037)**-Russet. Parentage (AF3362-1 x A06021-1T). Cross was made in Colorado and selected in Texas.

Uses:

Strength:

Weakness:

Cutting Notes: very large, bulky, keep eye on this clone

**RussetNorkotah278(038)**-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Russet Norkotah cross was made and selected in North Dakota. Russet Norkotah 278 is a mutant strain selection made in 1989 by Texas from the variety Russet Norkotah. Early maturity. Medium vine size. White flower color

Uses: fresh

Strength: high yield, nice shape

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

Cutting Notes: nice shape,

**RussetNorkotah296(039)**-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Russet Norkotah ross was made and selected in North Dakota. Russet Norkotah 296 is a mutant strain selection made in 1989 by Texas from the variety Russet Norkotah. Early maturity. Medium vine size. White flower color

Uses: fresh  
Strength: high yield,  
Weakness: poor shape, some rough  
Cutting Notes: nice shape

**Stampede Russet(040)**-Long Russet. Parentage (BR7091-1 x Lemhi Russet), cross made in Texas, selected in Idaho and tested extensively in Alberta, Canada. Released in 1999 by Agriculture and Agri-Food Canada and the Texas Agricultural Experiment Station. Early maturity. Medium vine size. Lavender flower color.

Uses: fresh  
Strength: nice shape, blocky, fat tubers, nice shape, BOT-  
Weakness: poor yield, drop, lower yield than RR, nice skin  
Cutting Notes: nice shape

**TXA549-1Ru(041)**-Oval Russet. Parentage (ND9687-3Ru x ND9852-1Ru). Cross was made in Texas, selected in Idaho and tested extensively in Alberta, Canada. Medium-late maturity. Medium-large vine size. Purple flower color with white tips.

Uses: fresh  
Strength: good yield, blocky, nice skin and shape, BOT  
Weakness: some rough, some hollow heart  
Cutting Notes: golden skin color

## Chip

**Atlantic(042)**-Round White. Parentage (Wauseon x Lenape). Cross was-made in Beltsville, MD, and selected in Maine. Released in 1976 by USDA-ARS, Florida, Virginia, New Jersey and Maine Agricultural Experiment Stations. Medium maturity. Medium vine size. Pale lavender flower color.

Uses: chip  
Strength: buff skin, nice shape  
Weakness: internals? poor internals  
Chip Notes: keep, CR=1  
Cutting Notes: very large, ugly

**Snowden(043)**-Oblong White. Parentage (B5141-6 x Wischip). Cross was made and selected at the University of Wisconsin. Medium-late maturity. Large vine size. White flower color.

Uses: chip  
Strength: uniform, nice flesh, nice size  
Weakness: some rough, small  
Chip Notes: CR=1  
Cutting Notes: buff skin

**AC01144-1W(044)**-Round White. Parentage (COA96141-2 x Willamette). Cross was made in Idaho and selected in Colorado. Medium maturity. Medium-large vine size. White flower color

Uses: chip

Strength: uniform

Weakness: light set, small

Chip Notes: CR=1

Cutting Notes: small

**AOR09034-3(045)**-Round White. Parentage (Boulder x A03449-2C). Cross was made in Idaho and selected in Oregon. Medium maturity. Large vine size. White flower color.

Uses: chip

Strength: uniform, smooth

Weakness: some rough, low yield, small

Chip Notes: CR=1, keep, 1 sugar

Cutting Notes: nice skin, uniform size and shape

**NDA081453CAB-2C(046)**-Round White. Parentage (Dakota Diamond x ND 039173CAB-22). Cross made in North Dakota and selected in Idaho. Medium-early maturity. Medium vine size. White flower color.

Uses: chip

Strength: uniform, smooth

Weakness:

Chip Notes: keep, CR=2

Cutting Notes: too large

**CO10073-7W(047)**-Round White. Parentage (CO02321-4W x CO02024-9W). Cross was made and selected in Colorado. Late maturity. Large vine size. White flower color

Uses: chip

Strength:

Weakness:

Cutting Notes:

**CO10076-4W(048)**-Round White. Parentage (CO03243-3W x CO02024-9W). Cross was made and selected in Colorado. Medium maturity. Medium small vine size. White flower color

Uses: chip

Strength:

Weakness:

Cutting Notes: large

**NY 152(049)**-Round White. Parentage (B38-14 x Marcy). Clone entered by Cornell University.

Uses: chip

Strength: uniform, nice size and shape, BOT

Weakness:

Chip Notes: nice, CR=1

Cutting Notes: nice shape

**NDTX081648CB-13W(050)**-Round White. Parentage (ND 8456-1 xND7377CB-1) Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: yield, nice shape and size, smooth, BOT-  
Weakness: rough, poor shape, drop??  
Chip Notes: drop, CR=1  
Cutting Notes: very flat

**MSX540-4(051)**-Round White. Parentage (R061-1 x Lamoka). Cross was made and selected at Michigan State University.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: uniform size and shape

**MSW485-2(052)**-Round White. Parentage (MSQ070-1 x MSR156-7). Cross was made and selected at Michigan State University.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: attached stolons

**MSV030-4(053)**-Round White. Parentage (Beacon Chipper x MSG227- 2). Cross was made and selected at Michigan State University.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: buff skin, nice shape

**MSV358-3(054)**-Round White. Parentage (MSP239-1 x OP). Cross was made and selected at Michigan State University.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: nice shape, uniform size and shape

**MSW044-1(055)**-Round White. Parentage (?). Cross was made and selected at Michigan State University.

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

**MSV313-2(056)**-Round White. Parentage (?). Cross was made and selected at Michigan State University.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: a little flat

**AORTX09032-3W(057)**-Oblong White. Parentage (A03449-2C x Ivory Crisp). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: nice shape, smooth

Weakness: low yield, small, ZC

Chip Notes: drop, nice, CR=2

Cutting Notes: knobs, not uniform size and shape

**AORTX09033-11W(058)**-Oblong White. Parentage (CO96141-4W x Ivory Crisp). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: smooth, very nice, uniform, BOT

Weakness: variable shape, light set, too small

Chip Notes: NICE BOT, keep, CR=1

Cutting Notes: skinny, scab, flat, shriveled

**AORTX09033-4W(059)**-Oblong White. Parentage (CO96141-4W x Ivory Crisp). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: smooth

Weakness: some rough, small, light set

Chip Notes: nice, keep, 2 MB, CR=1

Cutting Notes: skinny, uniform size

**AORTX09037-1W/Y(060)**-Oblong White. Parentage (Fasan x Ivory Crisp). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: smooth, uniform, light yellow flesh, very nice yield+

Weakness:

Chip Notes: BOT, drop, CR=2

Cutting Notes: scab, uniform size and shape, small tubers, round

**AORTX09037-4W/Y(061)**-Oblong White. Parentage (Fasan x Ivory Crisp). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: nice size and shape nice skin, BOT

Weakness: small

Chip Notes: keep- BOT, CR=1

Cutting Notes: uniform, greenheads

**AORTX09037-5W/Y(062)**-Round White. Parentage (Fasan x Ivory Crisp). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: uniform, nice size and shape, light yellow flesh

Weakness:

Chip Notes: BOT, nice, CR=1.0

Cutting Notes: uniform size and shape, nice skin

**AORTX09144-2W(063)**-Round White. Parentage (A02516-102LB x PALB03016-3). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength: uniform, nice shape

Weakness:

Chip Notes: BOT, CR=1.0

Cutting Notes: not uniform tuber size, some shriveling

**ATX11482-3W(064)**-White. Parentage (A05158-2C x M5). Cross was made in Idaho and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: large tubers

**ATX13126-3W(065)**-White. Parentage (MSR061-1 x CO95051-7W). Cross was made in Idaho and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: small, nice skin

**ATX13126-5Ru(066)**- Russet. Parentage (MSR061-1 x CO95051-7W). Cross was made in Idaho and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: dislike shape

**ATX13127-1Ru(067)**- Russet. Parentage (W2717-5 x CO02321-4W). Cross was made in Idaho and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: small, rough skin

**ATX13134-3W/Y(068)**-White/Yellow. Parentage (NDA081451CB-1CY x CO02321-4W). Cross was made in Idaho and selected in Texas. Medium-late maturity.

Uses:

Strength:

Weakness:

Cutting Notes: nice skin, uniform

**Fill(69)**



**COTX12235-2W(070)**-Round White. Parentage (AC00206-2W x AC03433-1W). Cross was made in Colorado and selected in Texas.

Uses: chip  
Strength: nice, keep  
Weakness:  
Chip Notes: keep, CR=1.0  
Cutting Notes: small, uniform size and shape, nice skin

**COTX12428-1W(071)**-Round White. Parentage (MSQ070-1 x CO02024-9W). Cross was made in Colorado and selected in Texas.

Uses: chip  
Strength: uniform, keep  
Weakness:  
Chip Notes: keep, CR=1.0  
Cutting Notes: some shriveled, small

**COTX14284-2Ru/Y(072)**-Russet. Parentage (CO97237-4RU/Y x AC06358-1W/Y). Cross was made in Colorado and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: very large tubers, deep eyes, nice yellow flesh, purple sprouts

**NDTX059828-2W ZC(073)**-Oblong White. Parentage (ND 4659-5R x ND 8524B-1R). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: ZC tolerant  
Weakness: poor skin color, red eyes,  
Chip Notes: drop, keep-, CR=1  
Cutting Notes: pinkish flesh

#### ***Fill(074)***

**NDTX113030C-3W(075)**-Oblong White. Parentage (Dakota Diamond x ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: nice size and shape, yield+ keep  
Weakness: some flat  
Chip Notes: keep-, CR=1  
Cutting Notes: large tubers

**NDTX12135-1W(076)**-Round White. Parentage (ND8559-20 x M3). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness: low yield  
Chip Notes: keep, CR=1.0  
Cutting Notes:

**NDTX12203AB-1W(077)**-Round White. Parentage (ND028598c-1 x M2). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: smooth, keep  
Weakness:  
Chip Notes: BOT++, CR=1.0  
Cutting Notes: ice skin, uniform size and shape

**NDTX1244-3W/Y(078)**-Oblong White. Parentage (AND07358-1Y x ND7192-1). Cross was made in North Dakota and selected in Texas.

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

**NDTX1246-3W(079)**-Round White. Parentage (AND07358-1Y x ND8304-2). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness: too flat, IBS, poor internal, drop  
Chip Notes: keep, 1GH, CR=1.0  
Cutting Notes: a little flat

**NDTX1246-5W/Y(080)**-Round White. Parentage (AND07358-1Y x ND8304-2). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: nice shape  
Weakness: small, mixed flesh  
Chip Notes: nice, CR=3.0  
Cutting Notes: uniform size and shape, small

**NDTX13224CAB-1W(081)**-White. Parentage (ND039104CAB-3 x Dakota Pearl). Cross was made in North Dakota and selected in Texas.

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

**NDTX13280CB-3W(082)**-White. Parentage (ND081452CB-1 x ND7519-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: nice

**NDTX14362AB-1W(083)**-White. Parentage (ND102809AB-2 x ND028984B-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: uniform size and shape

**NDTX14475-1W(084)**-White. Parentage (ND113317-5 x ND113057-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: very small

**TX05249-10W(085)**-Oblong White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: chip  
Strength: nice shape, smooth skin  
Weakness:  
Chip Notes: drop, nice, BOT-CR=2  
Cutting Notes: uniform size and shape, medium size

**TX09396-1W(086)**-Oblong White Parentage (Atlantic x NY139) Cross was made and selected in Texas.

Uses: chip  
Strength: nice size and yield, nice shape  
Weakness: some rough IBS, poor internal, drop  
Chip Notes: nice, 1 Mech, BOT- keep, CR=1  
Cutting Notes: not uniform size

**TX12483-6W(087)**-Round White. Parentage (TX08402 x Snowden). Cross was made and selected in Texas.

Uses: chip  
Strength: nice shape  
Weakness: buff russet skin  
Chip Notes: keep+, CR=1  
Cutting Notes: uniform size and shape

**TX12484-1WZC(088)**-Oblong White. Parentage (TX08402 x NDTX059828-2W). Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness: poor shape, too oblong, large tubers, variable size  
Chip Notes: keep, BOT, CR=1  
Cutting Notes: nice skin

**TX12484-2W ZC(089)**-Oblong White. Parentage (TX08402 x NDTX059828-2W). Cross was made and selected in Texas.

Uses: chip  
Strength: yield+, uniform  
Weakness: some rough, deep eyes IBS, poor internals  
Chip Notes: keep, CR=1  
Cutting Notes: uniform size

**TX12484-3W ZC(090)**-Oblong White. Parentage (TX08402 x NDTX059828-2W). Cross was made and selected in Texas.

Uses: chip  
Strength: smooth, yield+, nice size uniform  
Weakness:  
Chip Notes: K+, CR=1  
Cutting Notes: greenheads, uniform size

**TX13580-1W(091)**-White. Parentage (Waneta x 00-3315-11). Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: small, very shriveled

**TX14668-3W ZC(092)**-White. Parentage (Waneta x ATTX07042-3W). Cross was made and selected in Texas.

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

**TX14695-2W ZC(093)**-White. Parentage (TX09396-1W x AOR07793-1). Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: oval

**TX14710-4W ZC(094)**-White. Parentage (TX05249-11W x AOR07793-1). Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: uniform size

**TX14710-7W ZC(095)**-White. Parentage (TX05249-11W x AOR07793-1). Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: very nice skin, cream flesh

Prefix Source Key for Numbered Advanced Selections:

A = cross made in Aberdeen, Idaho and selected in Idaho

AC = cross made in Aberdeen, Idaho and selected in Colorado

ADX = cross (diploid x diploid) made in Aberdeen, Idaho, and selected in Idaho

AF = cross made and selected in Maine at Aroostook Farm, Presque Isle

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

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

AOA= cross made in Aberdeen, Idaho, seedling produced in Oregon, and selected in, Idaho

AOTX = cross made in Aberdeen, Idaho, tuberlings produced in Corvallis, Oregon greenhouse, and original field selection in Texas

ATD = cross (tetraploid x diploid) made in Aberdeen, Idaho and selected in Idaho

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

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

B = cross made in Beltsville, Maryland and selected in Maine

BC = cross made in Beltsville, Maryland and selected in Colorado

BO = cross made in Beltsville, Maryland and selected in Oregon

BN = cross made in Beltsville, Maryland and selected in North Dakota

BTX = cross made in Beltsville, Maryland and selected in Texas

CO = cross made and selected in Colorado

COTX = cross made in Colorado and selected in Texas

DT = cross made in North Dakota and selected in Texas

FL = cross made and selected by Frito-Lay

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

MN = cross made and selected in Minnesota

MS “letter” = cross made and selected in Michigan with ‘letter’ indicating year of selection with 1988(A) as year 1 of the program

MWTX = cross made by USDA/ARS Madison, Wisconsin and selected in Texas

ND = cross made and selected in North Dakota

NDA= cross made in North Dakota and selected in Idaho (Aberdeen)

NDC = cross made in North Dakota and selected in Colorado

NDO = cross made in North Dakota and selected in Oregon

NDTX = cross made in North Dakota and selected in Texas

NY = cross made and selected in New York

OR = cross made and selected in Oregon

PA = cross made and selected in Prosser, Washington

POR = cross made in Prosser, Washington and selected in Oregon

TX = cross made and selected in Texas

TXA = cross made in Texas and selected in Idaho (Aberdeen)

TXAV = cross made in Texas, selected in Idaho (Aberdeen) and reselected in Alberta, Canada

TXND = cross made in Texas and selected in North Dakota

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

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

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

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

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

Other Abbriavation descriptions

BC=brown center

BOT=Best of Trial

CR=Chip Color Rating 1(light) to 3 (dark)

D/K=drop/keep

FC=flesh color 1-5=dark

GH=green head

HH=hollow heart

IBS=internal brown spot

MB=mahogany browning

Mech=mechanical damage

SE=sugar ends

Stem = Stem end discoloration

TM=tuber moth



Cover by Angel Chappell