

2019 Annual Potato Field Day

Texas Potato Breeding and Variety Development Program

*Texas A&M AgriLife Research
Department of Horticulture Sciences
Texas A&M University*

Cooperator: Springlake Potato Sales, Inc.



2019 Field Day Handbook

Texas Potato Breeding and Variety Development Program

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

Department of Horticultural Sciences



Texas A&M University

July 18, 2019

Hosted by Springlake Potato Sales, Inc.

Bruce Barrett

Steve Barrett

Tim Gonzalez

**Funds Received to Support
The Texas Potato Variety Development Program
July 1, 2018- June 30, 2019**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$99,997
Potatoes USA Grant for National Chip Breeders Trial – Texas	\$10,000
Potatoes USA Grant for Potato Breeding in Texas	\$11,000
Royalty returned to program	\$139,000
Industry Trial Support	\$28,000
Texas A&M Vectored Disease Grant	\$10,000
Texas A&M Triads for Transformation T3	\$3,000
Teaching Assistanship (Jeewan Pandey)	\$30,000
Bourlaug Scholarship (Sanjeev Gautam)	\$20,000
	\$350,997

Expected July 1, 2019 – June 30, 2020:

USDA/NIFA (Special Research Grants Program, Potato Research)	\$105,750
Potatoes USA Grant for National Chip Breeders Trial – Texas	\$10,000
Potatoes USA Grant for Potato Breeding in Texas	\$11,000
Royalty Returned to Program (Estimated)	\$140,000
Industry Trial Support	\$10,000
Texas A&M Vectored Disease Grant	\$10,000
Texas A&M Triads for Transformation T3	\$3,000
Teaching Assistanship (Jeewan Pandey)	\$30,000
Bourlaug Scholarship (Sanjeev Gautam)	\$20,000
	\$339,750

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 Luis Huaracha) \$40,000

\$80,000

The Texas Potato Variety Development Program Team:

Isabel Vales, Creighton Miller - Project Directors

Jeff Koym and Douglas Scheuring - Senior Research Associates

Angel Chappell – Technical Assistant II/Lab Manager

Mike Jenson – Technical Assistant Lubbock

Jeewan Pandey and Sanjeev Gautam – Graduate Students

Ruth Preslar, Meghan Teale, and Cade Cadena - Student Workers

As of June 5, 2019

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

Licensee	Contact	Location	Phone
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	Stockton, California	(209) 952-7771
Cheyne Brothers	Scott Fenters	Malin, Oregon	(541) 732-2028
Clear Horizons Seed Labs	Chase Engel	Scottsbluff, Nebraska	(308) 760-3380
Cottom Seed, Inc.	Steve Cottom	Dillon, Montana	(406) 660-6266
Countrywide Potato	Joe Thompson	Alliance, Nebraska	(800) 922-7699
CSS Farms	John Wallace	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)589-6170
Golden Ridge Farms	Paul Duncan	Jackson, Idaho	(208) 436-1214
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
Jenson Hamilton	Jenson Hamilton	La Jara, Colorado	(719) 580-0725
Jim Carlson Farms	Jim Carlson	Culver, Oregon	(541) 546-2632
Jorde's Certified Seed Potatoes	Mitch Jorde	Cando, North Dakota	(701) 968-3244
Kohm & Spychalla, LLC	James Spychalla	Antigo, Wisconsin	(715) 623-6052
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	Kent Palmgren	Center, Colorado	(719) 754-3889
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
Sklarczyk Seed Farm, LLC	Ben Sklarczyk	Johannesburg, Michigan	(989) 731-5452
Silver Creek Seed, LLC	Mark Johnson	Picabo, Idaho	(208) 280-5213
Skyline Farms	Conn Crapo	St. Anthony, Idaho	(208) 624-8189
Summit Plant Laboratories	Vicki Lee	Fort Collins, Colorado	(970) 224-2021
Valley Tissue Culture	Sandi Aarestad	Halstad, Minnesota	(218) 456-2161
Worley Family Farms	Carla Worley	Monte Vista, Colorado	(719) 852-4097
Yellowstone Seed, LLC	Mark Mickelson	Rigby, Idaho	(208) 745-6626
Zapata Seed	Brian Brownell	Hooper, Colorado	(719) 754-9048

Current Licensees for ‘Reveille Russet’ Potato

Licensee	Contact	Location	Phone
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
Clemenson-Sobolik Farm	Kris Sobolik	Hoople, North Dakota	(701) 894-6379
Crown Farms	Andy McGlinn	Presque Isle, Maine	(207) 473-7172
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
Price Farms Certified Seed LLC	Kent Price	Center, Colorado	(719) 850-4014
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

2019 Springlake Plot Plan

			WH/Ysp											
	RDWsp													
										Seedlings				
Seedlings	FDTRD/SPCsp	Blank	FDTRU/CHsp	Blank	Russsp	Blank	Mat	Blank	Heat	Blank	Seedlings	Skin Set	Heat	Micro
1-4	9-18	19-20	21-30	31-32	33-42	43-44	45-54	55-56	57-66	67-70	71-126	131-140	141-150	Circle 18

Texas Potato Variety Development Program 2019 Trials

Location	Trial	Planted
Springlake	Microbial Amendment Study (1) 3/26/19	
	<i>Field Day Red/Specialty (52)</i>	3/21/19
	Red Specialty (28)	3/21/19
	<i>Field Day Russet/Chip (94)</i>	3/21/19
	White/Yellow (18)	3/23/19
	Russet (19)	3/23/19
	Maturity Study (11)	3/23/19
	Heat Study 1 st Planting (10)	3/23/19
	Skin Set Study (1)	3/26/19
	Heat Study 2 nd Planting	5/17/19
	Total Entries 87	
Dalhart	4Hill18Chip (215)	5/13/19
	National Chip (130)	5/13/19
	Chip (47)	5/13/19
	Red Specialty (32)	5/14/19
	4Hill18Red Spec (217)	5/14/19
	White/Yellow (20)	5/14/19
	4Hill18WH/Y (28)	5/14/19
	Microbial Amendment Study	5/15/19
	Russet (44)	5/15/19
	4Hill18Ru (103)	5/15/19
	Clone Bank (218)	5/15/19
Total Entries 1054		

Seedlings for Selection in Texas - 2019

Seedlings planted at Springlake

Source	Families	Total Planted
Colorado	71	16,426
Texas	106	17,368
Total	177	33,794

Seedlings planted at Dalhart

Source	Families	Total Planted
Texas mini tubers	17	3,717
Texas	59	13,440
Colorado	18	3,505
Idaho	83	11,886
North Dakota	52	7,441
Total	229	39,989

Grand Total – 73,783 seedlings from 406 families (crosses) were planted in 2019.

2019 Field Day Trial in Entry Order

Red Skin White Flesh, Red Skin Yellow Flesh, Specialty Selections/Varieties

(001)*Chieftain*-Round Red. Parentage (La1027-18 x La1354). Cross was made and selected at Iowa State University.

Uses: fresh

Strength: nice+, good yield

Weakness: silver scurf, a little flat+ light skin,

Cutting Notes:

(002)*Red LaSoda*-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: high tuber number

Weakness: large variation in shape, large tubers are 3-, some large tubers, very large light skin, very deep eyes, heat sprouts, sticky stolons+, chain tubers

Cutting Notes: Rhizoctonia

(003)*A08112-7R*-Round Red. Parentage (A99331-2RY x COA01406-1R). Cross was made and selected in Idaho. Medium-early maturity. Medium vine size Dk Red-Purple flower color

Uses:

Strength:

Weakness:

Cutting Notes: intense red skin color, oval

(004)*ATX06264s-4R/Y*-Round Red/Yellow. Parentage (A99331-2RY x Durango Red). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: shiny skin, pleasant skin-flesh combination, parent for skin and flesh color-cross with uniform size and shape+, nice skin color,

Weakness: not small+, not uniform size*mixed (darker and lighter skin), FC=2.8, FC=4.0

Cutting Notes: blue green fungi on skin

(005)*ATX05175s-1R/Y*-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: bright skin, Very small++, high tuber set+ Pleasant skin color

Weakness: not uniform size+ a little compressed, parent only small, deep eyes FC=3.4, FC=4.3

Cutting Notes: very nice skin, intense yellow flesh, Kelly likes

(006)*COTX04193s-2R/Y*-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: smooth skin, few eyes (Save as parent, Tasteful Selections?, send for Dallas Extension children), uniform size and shape, small Intense skin color+++, Small+, nice flesh skin color combination++ Nice, BOT

Weakness: silver scurf++, VD is red, a little flat, not uniform size sticky stolons, chain tubers FC=4.0, FC=4.5

Cutting Notes: intense flesh color, Kelly has dropped

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

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice, BOT

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

Uses: fresh

Strength: intense skin color+, smooth, BOT++, nice tuber shape, nice skin color+, beautiful, uniform size and shape medium-small, very intense red skin color

Weakness: pink flesh streaks++, large stolon sear silver scurf+, lenticels+, a little angular, pointy, pink flesh around vascular ring++

Cutting Notes:

(009)MSW343-2R-Red. Parentage (MSQ440-2 x NDTX4271-5R). Cross was made and selected at Michigan State University.

Uses: fresh

Strength: high tuber number, Red LaSoda replacement, rounder than LaSoda, more intense skin color than LaSoda, shiny skin

Weakness: medium skin intensity, deep eyes (not as much as Red LaSoda), sticky stolons silver scurf, stem end darkening

Cutting Notes:

(010)ATX11586-2R/Y-Red/Yellow. Parentage (A05173-2RY x Mila). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: fingerling

Weakness:

Cutting Notes:

(011)Banana-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:

Weakness: *very long, linked tubers, knobs, heat sprouts++, linked tubers++, not uniform shape nor size, large fingerling, more culls, some large, FC=2.1, FC=3.0

Cutting Notes: nice seed

(012)PORTX03PG25-2R/R-Oblong 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: nice+, unique shape, skin and flesh, uniform size and shape, dark skin, uniform size and shape, produce minitubers, high tuber set

Weakness: a little large, grow for less time, many eyes in large tubers, not fingerling, small+, rain drops, some wrinkled FC=4.0, FC=3.5

Cutting Notes:

(013)CO08029-1RF/R-Fingerling. Parentage (??). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(014)CO08062-3PF/P-Fingerling. Parentage (??). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

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

Uses: fresh

Strength: TC? promote?, ask Kelly, very uniform size and shape+, smooth skin, high tuber number+, shiny, uniformly small+, nice skin

Weakness: FC=3.0

Cutting Notes: very sprouted, oily flesh, nice shape, small

(016)ATX11549-1P/Y-Oval Purple/Yellow. Parentage (Huckleberry Gold x ND8555-8R). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: medium size, high yield, Halloween potato, nice

Weakness: TC? Wait to see in replicated trials FC=3.0

Cutting Notes: large tubers

(017)-ATX11556-1P/Y-Round Purple/Yellow. Parentage (A99331-2RY x NDA050237B-1R). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength: high tuber number, small+, smooth skin

Weakness: FC=3.5

Cutting Notes:

(018)COTX04050s-1P/P-Oblong Purple/Purple. Parentage (CO97215-2P/P x CO97306-2P/P). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: very dark flesh, high tuber number, uniform size and shape, very intense purple+

Weakness: grey skin++, marble pattern, white center, late+, lots of heat sprouts++, attached stolons++, Drop, chain tubers, heat susceptible, FC=5.0, FC=4.6

Cutting Notes: intense purple flesh, some variation in flesh color

(019)ATX10265-4R/Y-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: uniform size, nice very nice skin flesh combination+, shiny skin parent for flesh color beautiful yellow flesh high tuber number, BOT, healthy looking tubers nice++, keep, no pink streaks

Weakness: a little flat+, heat sprouts pointy+, snowmen+, pears, FC=4.5, FC=3.4

Cutting Notes: nice skin and flesh combination

(020)-ATTX11633-1RYPinto/Y-Red Yellow pinto/Yellow. Parentage (Pinto x ND8555-8R). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: pinto Red LaSoda

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

Uses: fresh

Strength: high tuber number, BOT, smooth skin, nice, nice unique pattern uniform size, smooth skin, some large tubers few eyes intense flesh color, large tubers

Weakness: Flat+, some pink in flesh 50% pink flesh, 20% pink flesh, 20% pink flesh pink streaks in flesh (50%), pink streaks (10%) FC=4.0, FC=3.0

Cutting Notes: pink streaks in flesh, 50 %

(022)Sierra Rose-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: nice+, uniform, nice pattern, good color combination, skin color radiation, heavy, nice flesh, beautiful skin pattern, hard to cut

Weakness: refresh seed, silver scurf+, few tubers, flat+ angular pink streaks (40%), FC=3.3, FC=3.0

Cutting Notes: nice

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

Uses: fresh

Strength: unique pattern, use as parent less flat than Harlequin, large beautiful skin pattern, shiny, smooth skin, similar to Harlequin, not flat, very nice+

Weakness: few tubers, bloody flesh, yellow/pink flesh all over, FC=3.5, FC=3.0

Cutting Notes: consider entering in tissue culture as parent and drop from trials

(024)-ATTX11617-2R-Red. Parentage (US147-96R/Y x ND8555-8R). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice skin, intense yellow flesh, good size, enter into tissue culture from Dalhart

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

Uses: fresh

Strength: nice shape, Medium tubers, high tuber set, BOT+++ , Medium size, nice+, dark red eyes+, Attractive, red-orange skin color Uniform size and shape+

Weakness: Light skin color+

Cutting Notes:

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

Uses: fresh

Strength: shallow eyes, medium size, uniform size and shape, very light skin+, bright light color, nice, light skin

Weakness: Red eyes

Cutting Notes:

(027)NDTX4784-7R-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

Strength: intense skin color, nice skin color nice+, very uniform size and shape, it went to WR in the past, seed was refreshed two years ago, BOT, strong, uniformly round

Weakness: very few tubers

Cutting Notes: intense skin color

(028)-ATTX98444s-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: nice flesh, uniformly small, red skin, pleasant flesh combination, uniform size+, nice, smooth skin, nice skin color

Weakness: a little flat+, netted scab, silver scurf, low tuber set, FC=3.9, FC=2.9

Cutting Notes: very intense yellow flesh, Kelly likes

(029)-ATTX07230-4Y/RE/Y-Yellow Red Eye/Yellow. Parentage (AO0286-3Y y x Modoc red 500). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(030)COTX08039-1R/R-Red/Red. Parentage (CO03031-2R/R x POR01PG22-1). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

Cutting Notes:

(031)COTX10012-1WRDspl/Y-White Red Slpash/Yellow. Parentage (A00286-3Y x ATC00293-1W/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

Cutting Notes:

(032)COTX10118-4WPUE/Y-White Purple Eye Parentage (07S019 x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: very intense yellow flesh

(033)COTX10138-15WPUE/Y-White Purple Eye/Yellow. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(034)NDTX092237C-2P/W-White. Parentage (ND 049326C-2P x ND 7834-2P). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: white flesh with purple splashes

(035)Yukon Gold-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: large, snaps nice, large tubers+++ , heavy, high tuber set snaps

Weakness: bulging eyes lenticels, knobs+, not uniform shape nor size, ugly very large knobs, large ugly, check seed source, FC=3.5, FC=2.8

Cutting Notes: large tubers

(036)-CO09128-5W/Y-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: uniform size+ and shape, round, high tuber set+, very intense flesh

Weakness: *internal heat necrosis+++ , smalls++ , variable flesh color, road map+, pink eyes, FC=4.4, FC=4.1

Cutting Notes: very intense yellow flesh

(037)CO09218-4W/Y-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: snaps+

Weakness: knobs+++ , linked tubers++ , very few tubers+ , buff skin, attached stolons+ , few tubers+ , heat sprouts+++ , low tuber number, variation for flesh color+ , FC=3.8, FC=4.0

Cutting Notes: a little flat, very intense yellow flesh, medium size, good dormancy, parent

(038)-CO10064-1W/Y-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.

Uses: fresh

Strength: Uniform size

Weakness: few tubers, small pointy, small+ , pink eyes+ , FC=3.1, FC=3.3

Cutting Notes: intense yellow flesh, parent

(040)CO10098-5W/Y-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: beautiful flesh parent for color very intense dark yellow flesh

Weakness: very few tubers++, knobs+++, DROP++, Soapy flesh, snowmen, FC=4.7, FC=4.8

Cutting Notes: almost orange flesh color

(041)POR14PG22-3-White. Parentage (?). Cross was made in Prosser, WA, tuberling grown and selected Oregon in Texas.

Uses: fresh.

Strength:

Weakness:

Cutting Notes:

(042)CO11250-1W/Y-White. Parentage (CO99045-1W/Y x POR02PG26-5). Cross was made and selected in Colorado. Large maturity. Medium-late vine size.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

Cutting Notes: a little flat, oblong, intense yellow flesh

(043)CO11266-1W/Y-White Parentage (CO03060-2W/Y x A99433-5Y). Cross was made and selected in Colorado. Late maturity. Medium vine size.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

Cutting Notes: pink eyes, intense yellow flesh

(044)Actrice-White.Parentage (Denise x Agata). Cross was made and selected in the Netherlands. Late maturity.

Uses: fresh

Strength:

Weakness:

Cutting Notes: a little angular, intense yellow flesh

(045)Nixie-Parentage (?).

Uses: fresh

Strength:

Weakness:

Cutting Notes: a little flat, angular tubers

(046) Captain-White. Parentage (INRA 95T97.2 x G98SC184008). Cross was made by Germicopa SAS.

Uses: fresh

Strength:

Weakness:

Cutting Notes: intense yellow flesh, tuber snaps

(047)SF Vario-Oblong White. Parentage (?). Clone produced by NORIKA.

Uses: dual

Strength:
Weakness:
Cutting Notes:

(048)Noah-White. Parentage (??).

Uses: dual
Strength:
Weakness:
Cutting Notes: flat, pointy, intense yellow flesh, vascular discolorationa

(049)-ATX05202s-3W/Y-Oblong White/Yellow. Parentage (A00286-3Y x A99433-5Y). Cross was made in Idaho and selected in Texas.

Uses: fresh
Strength: high yield+, high tuber number+, nice skin, cross with yellows, move to yellow
Weakness: not small++, a little flat, rotten, a little angular low tuber set+, sticky stolons+, bruised skin, FC=3.3, FC=3.5
Cutting Notes:

(050)NDTX081451CBs-1Y/Y-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: Parent, shiny skin, uniform size+, smooth skin, high yield,
Weakness: very low tuber set, very few tubers, not small+++, FC=3.0, FC=3.8
Cutting Notes: nice, parent

(051)Sierra Gold-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, high yield, medium uniform tubers, uniform size, russet, nice++, golden+, attractive
Weakness: FC=3.0, FC=2.6
Cutting Notes: parent

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

Uses: fresh
Strength: smooth skin, uniform size and shape, shiny+*pink eye shade+, nice, smooth skin+, smooth cut, high tuber number, TC as Parent, Chip?, pink splash, parent for high tuber number
Weakness: Heat sprouts+++, FC=1.4, FC= 1.0
Cutting Notes: white flesh, vascular discoloration

(053)Fill

(054)Fill

(055)Fill

(055)Fill

Russet, Chip Selections/Varieties

Russet Selections

(001)Reveille Russet-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: nice skin, nice shape, uniform size nice russet skin, BOT+, beautiful shape, high tuber no, skin blemishes, skinning+

Weakness: knobs+++++, green heads enlarged lenticels, 40% SE some skin color variation, bacterial rot 10% bulging eyes, soft rot 10%

Cutting Notes:

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

Uses: fresh

Strength: large+, uniform size++, nice skin, bulky, BOT+++ , blocky++ nice shape, Parent, cross with PVY res

Weakness: knobs* boarder under skin brown spots?,

Cutting Notes:

(003)Ranger Russet-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: high tuber number+++ , Parent for high tuber number nice, medium

Weakness: knobs, small+, noticeable eyes, not uniform size SE

Cutting Notes:

(004)Russet Burbank-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: medium russet skin

Weakness: knobs+++ , pointy++ , skinny, growth cracks, deformed tubers, skinny, curved

Cutting Notes:

(005)Russet Norkotah-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: heavy russet, high set, BOT, high yield, wider than standard Oregon source Russet Norkotah

Weakness: skinny curved, thin+, pointy+, skinning

Cutting Notes:

(006)Shepody-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: light skin++, large, smooth skin++

Weakness: knobs, not uniform shaped

Cutting Notes:

(007)A07061-6-Blocky White. Parentage (Targhee Russet x Clearwater Russet). Cross was made and selected in Idaho. Medium maturity. Medium vine size. Red purple flower color.

Uses: dual

Strength: nice long white+, nice shape, uniform shape smooth skin++, nice shape, oblong

Weakness: Light skin (too light), some buff skins

Cutting Notes: lighter skin, pressure cracks

(008)A071012-4BF-Long 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: Knobs+++, Long, not uniform size, not good russet skin, large tuber number, greens

Cutting Notes: light russeting

(009)A07769-4-Oblong 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: dual

Strength: nice skin++, Uniform size, golden russet

Weakness: very light russet or not good skin set, deformed tubers, it does not look russet, enlarged lenticels Smaller few tubers

Cutting Notes: golden skin, bulky, light russeting

(010)A08422-4VRsto-Long Russet. Parentage (A96953-13sto x A02618-1adg). Cross was made and selected in Idaho. Medium-early maturity. Small vine size. White flower color

Uses: dual

Strength:

Weakness:

Cutting Notes:

(011)A08433-4VR-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: High tuber number+ nice skin uniform size+

Weakness: not uniform size or shape, small, not good skin set a little flat

Cutting Notes: uneven russeting, pointy

(012)A10021-5TE-Very 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: dual

Strength: nice, high tuber number

Weakness: thin, pointy+++++, Very long+++++, skinny

Cutting Notes: nice russet skin

(013)A002183-2-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 skin, nice shape, high tuber number+, nice type

Weakness: knobs+, skinny+, very small, few tubers, pointy+, enlarged lenticels

Cutting Notes:

(014)AOR07781-5-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: Intense russet skin, Good russet skin high yield, Test for zc tolerance and parent, ask Rich

Weakness: knobs++, pointy++, noticeable eyes, little tubers on eyes, greens, long, noticeable lighter eyes, rough, soft ends (stolon side)

Cutting Notes: yellow flesh, deep eyes, blocky

(015)CO09076-3RU-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: good skin

Weakness: long, pointy+++, knobs++, pointy, few tubers+, skin blemishes

Cutting Notes:

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

Uses: dual

Strength: very high tuber number+, nice skin+, golden russet skin, nice, some nice shapes, uniform shape

Weakness: small-medium size, most are small, moons, 20% SE a little pointy+, few tubers

Cutting Notes:

(017)COTX05095-2Ru/Y-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: Some nice shapes+, include in NFPT (French Processing trials), nice flesh, check specific gravity/ chips, Promote, Parent, cross with heavy russet yellow flesh, high tuber number, nice shape, light skin, yellow flesh

Weakness: knobs, road map, light skin, not good russet skin, medium size

Cutting Notes:

(018)OR12133-10-Oblong-long Russet. Parentage (A98345-10 x Silverton Russet) Cross was made and selected in Oregon. Medium-early maturity. Large vine size. White flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes:

(019)POR12NCK50-1-Oblong Russet. Parentage (PA99N82-4 x Western Russet). Cross was made in Prosser, WA, tuberling grown and selected in Oregon. Medium maturity. Large vine size. Lavender-Purple flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes:

(020)CO10085-1RU-Parentage (CO03364-5RU x Silverton Russet). Cross was made and selected in Colorado. Medium-late maturity. Medium vine size.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(021)CO11009-3RU-Russet. Parentage (Fortress Russet x AC96052-1RU). Cross was made and selected in Colorado. Medium maturity. Large vine size.

Uses: process

Strength:

Weakness:

Cutting Notes:

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

Uses: fresh

Strength: some nice shapes, bulky, nice shape, medium size uniform shape and size++, nice shape, most medium size

Weakness: blocky, not uniform size, roundish, not uniform size, root marks on tuber SE, skin blemishes,

Cutting Notes:

(023)COTX08063-2Ru-Russet. Parentage (A93157-6LS x A99073-1). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

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

Uses: fresh

Strength: high tuber number, some nice shapes+, nice skin+, nice shape

Weakness: knobs++, growth cracks+, not uniform size, 70% SE, few tubers

Cutting Notes:

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

Uses: fresh

Strength: uniform shape and size

Weakness: small roundish+, round-long, some blocky+, medium, enlarged lenticels, few tubers, pointy, skin with bee hives area, medium size+, very few tubers, not uniform russet skin

Cutting Notes:

(026)Alta Russet-Russet. Parentage (Russet Nugget x Ranger Russet). Cross was made and selected by Agriculture and Agri-food Canada. Medium maturity. Medium vine size. Blue-violet flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes:

(027)*ATTX10008-1Ru*-Russet. Parentage (A02060-3TE x Stampede Russet). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness

Cutting Notes::

(028)*ATTX10378-3Ru/Y*-Russet/Yellow. Parentage (Granola x CO00412-5W/Y). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(029)-*ATX13018-2Ru*-Russet. Parentage (A06015-13TE x A06084-1TE). Cross was made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(030)*COTX09022-3RuRE/Y*-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 good yield, round high yield+, roundish+, high tuber number,

Weakness: not uniform size, a few linked tubers, not uniform russet, Netted russets no fresh marks, *under skin brown spots? some bruising, SE 30%

Cutting Notes: sprouting, intense yellow flesh

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

Uses: fresh

Strength: nice russetting, nice shape, medium size, BOT, uniform russet skin, nice russet skin some nice shapes

Weakness: pointy+ high set of smalls++, *under skin brown spots?+, not uniform size, few tubers+, rotten, low tuber number, DROP, SE+, few tubers

Cutting Notes: heavy russet skin

(032)*COTX13029-2Ru/Y*-Russet/Yellow. Parentage (AC06358-2W/Y x CO07039-3RU/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: round, very intense yellow flesh, unique shape-yellow flesh combination

(033)*COTX14016-1Ru*-Russet. Parentage (Payette Russet x Pomerelle Russet). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

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

Uses: fresh

Strength: nice medium russeting nice uniform russetSome nice shapes+, high yield bulky, very good skin+++ , Parent, large, nice flesh, dark skin+

Weakness: pointy, a little angular a little flat

Cutting Notes: nice skin, heals black

(035)COTX15271-1Ru-Russet. Parentage (A03921-2 x Mercury Russet). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice size and shape, KEEP

(036)Dal17001RuRua

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice, great shape, KEEP

(037)Dal17001RuRub

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(038)Russet Norkotah223-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:

Weakness:

Cutting Notes:

Cutting Notes: soft rot ends

(039)Russet Norkotah278-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: nice skin and shape nice

Weakness: lower yield than Nebraska seed source, low tuber set, pointy, curved, skinny, pointy++, more eyes than regular Russet Norkotah, long+, not uniform russet skin

Cutting Notes: nice shape,

(040)Russet Norkotah296-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Russet Norkotah cross 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: nicer shape than regular Norkotah nice size and shape, good russet skin

Weakness: knobs, SE enlarged lenticels+, DROP, wider, curved tubers, pointy+ long+, pointy, thin soft rot

Cutting Notes: nice shape

(041)TX13590-9Ru-Oblong Russet. Parentage (ND9687-3Ru x ND9852-1Ru). Cross was made and selected in Texas.

Uses: fresh

Strength: high yield+, short oval to oblong, round to oblong, move to SW or WR++, blocky nice shape nice, bulky, medium nice shape, roundish+,

Weakness: not uniform shape and size, small angular, not uniform skin russet

Cutting Notes: hollow heart small

Chip Selections

(042)-Atlantic-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: CR=2.5, 30% Good chip1 HH

Cutting Notes:

(043)Snowden-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: nice, medium size tubers, Large, buff skin+, russet skin, medium-large tubers+, high yield

Weakness: some attached stolons+, rough looks

Chip Notes: CR=1.6, 50% Good chip

Cutting Notes:

(044)CO10073-7W-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: nice, buff skin, uniform size and shape++, medium size+, high tuber set

Weakness: green heads greens/rot, some large

Chip Notes: CR=1.4, 78% Good chip, BOT

Cutting Notes: a little flat

(045)CO10076-4W-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: uniform size high tuber set nice

Weakness: knobs, medium-large tubers, flesh browns fast, some attached stolons

Chip Notes: CR=1.6, 68% Good chip, 1 Insect

Cutting Notes:

(046)ATTX07042-3W-White. Parentage (Western russet EM x A02086-10 EM 500). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas. Early-Medium maturity. Medium vine size. White flower color.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(047)CO11023-2W-White. Parentage (AC03433-1W x NY138). Cross was made and selected in Colorado. Medium maturity. Medium vine size.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(048)CO11023-9W-White. Parentage (AC03433-1W x NY138). Cross was made and selected in Colorado. Late maturity. Medium-large vine size.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(049)CO11037-5W –White. Parentage (BC0894-2W x W2133-1). Cross was made and selected in Colorado. Medium maturity. Medium-large vine size.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(050)TX09403-15W-White. Parentage (NY138 x Ivory Crisp) Cross was made and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(051)TX09403-21W-White. Parentage (NY138 x Ivory Crisp) Cross was made and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

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

Uses: chip
Strength: uniform small-medium tubers
Weakness: a little flat+, large tubers in the first few plants large tubers+, rough
Chip Notes: CR=1.6, 70% Good chip
Cutting Notes:

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

Uses: chip

Strength:

Weakness: not uniform size, buff skin+, medium-large tubers, a little flat, not uniform size, large, some attached stolons

Chip Notes: CR=2.0, 58% Good chip, 2 Mech

Cutting Notes: buff skin, nice shape

(054) *CO02321-4*-WParentage (NY115 x BC0894-2W). Cross was made and selected in Colorado. Medium maturity. Medium vine size. Purple flower color

Uses: chip

Strength:

Weakness:

Cutting Notes:

(056)*MSZ219-14*-White. Parentage (Saginaw Chipper X MSR127-2)Cross was made and selected at Michigan State University.

Uses: chip

Strength:

Weakness:

Cutting Notes:

(057)*MSW075-2*-White. Parentage (MSK061-4 x W2133). Cross was made and selected at Michigan State University.

Uses: chip

Strength:

Weakness:

Cutting Notes:

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

Uses: chip

Strength:

Weakness: knobs, few tubers

Chip Notes: CR=1.6, 70% Good chip, BOT, Nice

Cutting Notes:

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

Uses: chip

Strength: very high tuber number++ advance fast, impressive yield, WINNER, very uniform, medium size, BOT++

Weakness: SCAB, some large tubers, some skin color variation

Chip Notes: CR=2.3, 71% Good chip, 1 IBS, 1 GH

Cutting Notes:

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

Uses: chip

Strength: Nice, high tuber number+, uniform shape, TC, BOT, snaps, breaks at cutting

Weakness: scab not uniform size some variation for skin color

Chip Notes: CR=2.9, 66% Good chip, DROP?

Cutting Notes:

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

Uses: chip

Strength: snaps, BOT+, nice size, advance uniform size and shape+++ , high tuber number++ , small-medium

Weakness: smaller tubers, not uniform skin texture

Chip Notes: CR=1.5, 75% Good chip, Nice, 2 IBS

Cutting Notes: too sprouted

(062)ATTX10333-1W-White Parentage (AFA3976TPS-1 x NY139). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: yellow flesh

(063)ATTX10389-1W-White. Parentage (Marike x NY139). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: dislike shape

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

Uses: chip

Strength: Medium-large tuber, smooth skin+, high tuber set nice

Weakness: Large, green heads

Chip Notes: CR=1.9, 50% Good chip, Nice color, Nice

Cutting Notes: yellow flesh

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

Uses: chip

Strength: uniform size and shape+++ , nice, high tuber number++ , smooth skin+, nice

Weakness: one greenhead had purple pigment

Chip Notes: CR=1.8, 68% Good chip, 1 GH, BOT

Cutting Notes:

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

Uses: chip

Strength: Uniform size and shape, nice, smooth skin, Small

Weakness: some large, large+,

Chip Notes: CR=2.0, 66% Good chip, Nice

Cutting Notes:

(067)*COTX13230-1W*-White. Parentage (AC06358-2W/Y x CO07044-3RU/Y). Cross was made in Colorado and selected in Texas.

Uses: chip
Strength:
Weakness:
Chip Notes:
Cutting Notes:

(068)*COTX13231-1W*-White. Parentage (AC98016-6W x Wischip). Cross was made in Colorado and selected in Texas.

Uses: chip
Strength:
Weakness:
Chip Notes:
Cutting Notes:

(069)*COTX13231-4W*-White. Parentage (AC98016-6W x Wischip). Cross was made in Colorado and selected in Texas.

Uses: chip
Strength:
Weakness:
Chip Notes:
Cutting Notes:

(070)*COTX13231-5W*-White. Parentage (AC98016-6W x Wischip). Cross was made in Colorado and selected in Texas.

Uses: chip
Strength:
Weakness:
Chip Notes:
Cutting Notes:

(071)*COTX13263-2W*-White. Parentage (CO02024-9W x Wischip). Cross was made in Colorado and selected in Texas.

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

(072)*COTX15345-1Y/Y*-Yellow/Yellow. Parentage (CO05037-3W/Y x CO00412-5W/Y). Cross was made in Colorado and selected in Texas.

Uses: chip
Strength:
Weakness:
Chip Notes:
Cutting Notes: very intense yellow flesh

(073)*COTX15425-1Y/Y*-Yellow/Yellow. Parentage (CO10003-3W/Y x CO10018-3W/Y). Cross was made in Colorado and selected in Texas.

Uses: chip

Strength:
Weakness:
Cutting Notes:

(074)COTX15500-2Ryspl/Y-Red Splash/Yellow. Parentage (CO10097-2W/Y x CO10018-3W/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh
Strength:
Weakness:
Chip Notes:
Cutting Notes:

(075)NDTX059828-2WZC-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: pink skin++,
Chip Notes: CR=3.0, 20% Good chip
Cutting Notes: parent of zc tolerant clones

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

Uses: chip
Strength: high tuber number+, uniform size, hard to cut
Weakness: large+, DROP, a little flat+
Chip Notes: CR=1.9, 71% Good chip
Cutting Notes:

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

Uses: chip
Strength: uniform size and shape, round, smooth skin+, nice, Advance, medium size, high tuber number
Weakness: mixed? (some russets), a little flat
Chip Notes: CR=1.4, 90% Good chip
Cutting Notes:

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

Uses: chip
Strength: BOT, uniform size and shape++, smooth skin, high tuber number, TC, clean
Weakness:
Chip Notes: CR=1.8, 80% Good chip, BOT, Nice, Oily centers
Cutting Notes: nice skin, uniform size and shape

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

Uses: chip
Strength: smooth skin, nice, high tuber number, high tuber set, very light skin, uniform size and shape, nice skin

Weakness: not uniform size, a little angular+ deep eyes+, skin blemishes, possible chip shape problems,

Chip Notes: CR=2.5, 50% Good chipNice, Shape-

Cutting Notes:

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

Uses: chip

Strength: golden skin+, uniform size and shape+, TC, high tuber number+, intense yellow flesh+, fresh market yellow?

Weakness:

Chip Notes: CR=1.4, 79% Good chip, Nice color, Nice+

Cutting Notes:

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

Uses: chip

Strength: uniform size and shape++, smooth skin

Weakness: DROP

Chip Notes: CR=1.8, 75% Good chip, Shape-, DROP?

Cutting Notes: nice

(082)NDTX13315CB-1W-White. Parentage (ND092181CB-16 x ND7519-1). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes:

(083)NDTX14134Y-3W-White. Parentage (Waneta x ND860-2). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes:

(084)NDTX1432Y-2Y/Y-Yellow/Yellow. Parentage (93057.1 x ND7799c-1). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes:

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

Uses: chip

Strength: uniform size and shape++, medium size++, BOT, many tubers between plots (right side)

Advance to NCPT

Weakness:

Chip Notes: CR=2.3, 70% Good chip, Nice, DROP

Cutting Notes:

(086)NDTX1443-2W-White. Parentage (Dakota Crisp x ND860-2). Cross was made in North Dakota and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(087)NDTX1444-3W-White. Parentage (Dakota Crisp x ND7799c-1). Cross was made in North Dakota and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(088)NDTX1444-4W-White. Parentage (Dakota Crisp x ND7799c-1). Cross was made in North Dakota and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(089)NDTX1444-5W-White. Parentage (Dakota Crisp x ND7799c-1). Cross was made in North Dakota and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(090)NDTX1482YB-1W-White. Parentage (Eva x Missaukee). Cross was made in North Dakota and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

(091)NDTX1488-1Y-White. Parentage (Gala x ND860-2). Cross was made in North Dakota and selected in Texas.

Uses: chip
Strength:
Weakness:
Cutting Notes:

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

Uses: chip
Strength: smooth skin, very hard to cut+, use as parent, unique skin,
Weakness: pinkish skin+++ , some large tubers large
Chip Notes: CR=2.4, 52% Good chip
Cutting Notes:

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

Uses: chip

Strength: nice shape, uniform size and shape+, advance, keep all seed, keep, ZC tolerant, high tuber number, smooth skin, nice, advance, fingerprint, small tubers are round, large are oblong, nice flesh, nice, nice white flesh

Weakness: Large

Chip Notes: CR=2.0, 71% Good chip, Color-, 1 GH

Cutting Notes: long sprouts

(094)TX14668-3WZC-Oval White. Parentage (Waneta x ATTX07042-3W). Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness: very few tubers++, buff skin, some large+, large tubers+++, DROP+++, mixed?, attached stolons,

Chip Notes: CR=3.3, 43% Good chip, DROP, Shape-

Cutting Notes: big tubers

(095)Fill

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 Abbreviation 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



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