

*2020 Annual
Potato Field Day, E-edition
Texas A&M University Potato Breeding Program*

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

Cooperator: Springlake Potato Sales, Inc.



2020 Field Day Handbook

Texas A&M University Potato Breeding Program

Isabel Vales, Jeff Koym, and Douglas Scheuring

Department of Horticultural Sciences



Texas A&M University

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Hosted by Springlake Potato Sales, Inc.

Bruce Barrett

Steve Barrett

Tim Gonzalez



NAVIGATION INSTRUCTIONS: In order to navigate this handbook, please place your cursor over blue color text (until you see a hand) and click. At the bottom of most pages, you will have the option to click to go back to the table of contents (or to obtain additional information about potato clones)

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2020 Field Day Trial in Entry Order

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

(001)Chieftain-Round Red. Parentage (1a1027La1027-18 x La1354). Cross was made and selected at Iowa State University.

Uses: fresh

Strength: uniform shape and size, high tuber number+, parent for high yield and high tuber number

Weakness: buff skin, attached stolons+, darker pink eyes, red eyes, some skin color variation, flesh color (FC)=1.0 (white)

Cutting Notes:

(002)Red LaSoda-Round to oval 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: very high tuber number, parent for tuber number and yield++

Weakness: deep eyes+++ , non-uniform shape, many culls (knobs), large, attached stolons, a little flat, FC=1.0

Cutting Notes: Rhizoctonia

(003)Modoc-Round Red. Parentage (ND1196-2R x ND2225-1R). Cross was made in North Dakota and selected in Oregon. Early maturity.

Uses: fresh

Strength: bright red skin, smooth skin,

Weakness: few eyes

(004)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: Fresh

Strength: uniform shape and size++ nice, very small++, intense red skin color+, high tuber set++, true small, FC=1.0

Weakness: attached stolons++, late++, heat sprouts, rot, greenheads

Cutting Notes: intense red skin color, oval

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

Uses: fresh

Strength: intense skin color+, high tuber number, smooth skin, small+, uniform size and shape++
+

Weakness: late+++ , not uniform shape or size+, not small, heat sprouts, rot, FC=2.9 FC=3.6

Cutting Notes: blue green fungi on skin

(006)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: good size, medium, nice, large tubers+, high tuber number+

Weakness: FC=2.8, FC=2.

Cutting Notes: large tubers

(007)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: high tuber set, small, uniform size

Weakness: heat sprouts++, angular tubers, nonuniform skin type, FC=3.4

Cutting Notes: intense yellow flesh, parent

(008)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: very intense flesh color, beautiful flesh, parent for color very intense dark yellow flesh

Weakness: heat sprouts+++extreme knobs++, terrible, small, low tuber number, late, DROP+++, FC=4.4

Cutting Notes: almost orange flesh color

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

Uses: fresh

Strength: high tuber number, small+++,

Weakness: pink eyes+++ , knobs, oval, pears, late++, pink splash, red eye splash, heat sprouts, linked tubers, FC=3.1, FC=3.6

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

(010)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: very intense yellow flesh

Weakness: late, oval, heat sprouts++, pink eyes+++ , pink splashed skin, knobs, chained tubers, small, non-uniform shape, pears, pink eyes+, attached stolons, DROP, FC=3.9, FC=3.5

Cutting Notes: pink eyes, intense yellow flesh

(011)POR14PG22-3-Round White. Parentage (POR10PG3-3 x 2xOR2012). Cross was made in Prosser, WA, tuberling grown and selected Oregon. Early-medium maturity. Large vine size. White flower color.

Uses: fresh.

Strength: very smooth skin++, very light skin color+, very clean look, shiny, high tuber high tuber number+

Weakness: angular tubers, very small+, heat sprouts+++ , late, compressed shape, non-uniform size+, linked tubers++, back scurf, FC=2.0, FC=1.8

Cutting Notes:

(012)PORTX03PG25-2R/R-Oblong Fingerling 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: uniform size, uniform shape, prepare PVP dossier, fingerling, intense skin color, nice, smooth skin, medium size

Weakness: pointed, some protruding eyes, FC=3.4, FC=3.7

Cutting Notes:

(013)Fill

(014)Purple Majesty- 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

Strength:

Weakness:

(015)Paroli-Round White. Parentage (??). Variety produce by Norika. Early maturity. Medium vine size. White flower color

Uses: fresh

Strength:

Weakness:

(016)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: small, heat sprouts+++ , chain tubers++ , late, susceptible to heat, many culls, fingerling, few tubers++ , intense knobs+ , terrible shape, FC=2.0 FC=2.4

Cutting Notes:

(017)COTX08365F-3P/P-Purple/Purple. Parentage (POR01PG16-1 x CO00405-1R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

(018)COTX15083-1R-Red. Parentage (CO01198-2R x NDA050237B-1R). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

(019)NDTX071258B-1R-Red. Parentage (NY138 x ND 4659-5R). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

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

Uses: fresh

Strength: Red LaSoda replacement, shallower eyes, similar skin color, nice, parent, cross with smooth skin, shallow eyes, medium size, uniform size and shape, very light skin+, bright light color.

Weakness: medium red skin color, dark red eyes, scab, silver scurf, FC=1.0

Cutting Notes:

(021)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 red skin color+, good size, nice skin, early medium size, parent, cross with smooth skin, Red LaSoda replacement??, BOT

Weakness: knobs, road map, FC=1.0

Cutting Notes: intense skin color

(022)ATTX05175s-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: high tuber number+, mini RedLaSoda, very small+++ , uniform size and shape++ +,

Weakness: late, a little compressed+, FC=4.0

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

(023)ATTX10265-4R/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: high tuber set+, very intense yellow flesh, Bruce likes, light red skin color, nice skin color with orange tint, high tuber number, parent for flesh color, nice skin/flesh combination. BOT

Weakness: heat sprouts++, pear shape+, non-uniform shape, many knobs+, chained tubers+, a little flat, pointed, DROP++, FC=4.0

Cutting Notes: nice skin and flesh combination

(024)ATTX11633-1RYPinto/Y-Round 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: compressed, native, deep eyes, pinto mini LaSoda, skin pattern variation, small FC=3.0

Cutting Notes: pinto Red LaSoda

(025)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: uniform size and shape, uniform small+, small+++ , nice, parent

Weakness: low tuber set, attached stolons, 10% ZC, FC=2.9
FC=3. Cutting Notes: very intense yellow flesh, Kelly likes

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

Uses: fresh
Strength:
Weakness:

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

Uses: fresh
Strength: nice uniform size and shape, large+, high tuber number, giant blueberries, high density of eyes at bud end, white lenticels, BOT
Weakness: low tuber number+, not uniform size, few large tubers, ugly skin, silver scurf+, some rotten tubers drop, FC=3.0
Cutting Notes: large tubers

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

Uses: fresh
Strength: small, nice intense flesh, smooth skin, very nice skin, oval to oblong, shiny skin, very nice flesh, nice skin-flesh combination, intense skin color+++
Weakness: pointed, low tuber set+, late, oblong, few tubers FC=3.4, FC=2.6
Cutting Notes:

(029)NDTX059759-3RY/Y Pinto-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: nice skin pattern++, shiny, clean skin, large tubers, few eyes+, very nice tubers, smooth skin, beautiful skin pattern+, prepare PVP dossier
Weakness: low tuber set, flat+, pink flesh streaks 40%
FC=3.2, FC=3.0
Cutting Notes: pink streaks in flesh, 50 %

(030)NDTX091886-3P/P-Purple/ Purple. Parentage (COND 04082-8RR x ND 7519-1). Cross was made in North Dakota and selected in Texas.

Uses: fresh
Strength:
Weakness:

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

Uses: fresh
Strength: white lenticels+, surprise white-purple flesh+++ , very large, strong, high tuber number, nice.
Weakness: FC=1.0
Cutting Notes: white flesh with purple splashes

(032)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: large tubers, high tuber number+, nice, BOT,

Weakness: small, low tuber set, heat sprouts, road mapping, variation in shape, silver scurf, scab, FC=3.0, FC=2.5

Cutting Notes: nice

(033)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: nice skin pattern+, good skin, nice, large, high tuber number+++ , medium-large tubers, nice+, parent: cross with Harlequin Gold

Weakness: low tubers set++, flat, pink flesh, yellow pink flesh+++ , FC=3.0FC=3.

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

(034)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: uniform size, very dark skin, white flesh, small, parent, very uniform shape and size,

Weakness: looks dirty, rot++, angular, marble flesh, rough skin, heat sprouts++, ugly skin, mixed, drop+++ , attached stolons+, small, MIXED flesh color white and purple+, some rotten, white lenticels, FC=4.5, FC=4.0

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

(035)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: high tuber number+++ , uniform size and shape++, very round, parent for tuber number, nice, small-medium, pink eyes+, shiny, small, smooth skin, clean as parent, move to WR, fleshy flesh and snow-white flesh.

Weakness: some mixed russet tubers, pink eyes+, heat sprouts+++ , low tuber number, FC=1.0

Cutting Notes: white flesh, vascular discoloration

(036)ATTX07230-4Yre/Y-Round 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: impressive high tuber number++, uniform size++, uniform shape++, unique skin pattern+, large, parent for high tuber number and yield, prepare for PVP, BOT++

Weakness: FC=2.5

Cutting Notes:

(037)COTX10012-1Wrdspl/Y-White red splash/Yellow. Parentage (A00286-3Y x ATC00293-1W/Y) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

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

Uses: fresh

Strength: high tuber number

Weakness: lots of rot, a little flat, purple eyes+++ , mixed skin pattern, drop+++ , FC=3.0

Cutting Notes: very intense yellow flesh

(039)COTX10138-15Wpe/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: very high tuber number+ , uniform, purple eye splash, small.

Weakness: some purple eyes, but not all tubers not uniform shape, FC=2.4

Cutting Notes:

(040)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: small, smooth skin+ small-medium+ , uniform size and shape+ , high tuber number.

Weakness: a little flat, heat sprouts, knobs, low tuber number, drop, FC=3.0, FC=2.5

Cutting Notes: nice, parent

(041)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: medium, uniformly small uniform size and shape, nice+ , all small, intense yellow flesh+ , mango yellow flesh, BOT

Weakness: some green heads, rot, oval shape, some large tubers, very few tubers, heat sprouts, mixed white and yellow flesh, FC=4.0, FC=4.0

Cutting Notes: intense flesh color, Kelly has dropped

(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: uniform, large tubers+ ,

Weakness: attached stolons, pointed, FC=1.0

Chip Notes: Chip Rating (CR)=1.0, CR=1.4, 65% Good chips, 85% Good chips

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: beautiful skin+ , BOT

Weakness: flat, angular tubers, FC=1.0, some attached stolons+ ,

Chip Notes: CR=1.7, CR=1.3, 70% Good chips, 84% Good chips

Cutting Notes:

(044)AOR12197-4-Oblong Russet. Parentage (A01010-3 x NDA070929B-3). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas. Medium early maturity. Large vine size. Pink-Purple flower color

Uses: dual
Strength:
Weakness:

(045)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: uniform, nice shape, size, and skin
Weakness: FC=1.0, green heads greens/rot, some large
Chip Notes: CR=1.4, 88% Good chips

(046)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:
Weakness: attached stolons, small, FC=1.0
Chip Notes: CR=1.6, 83% Good chips
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: nice BOT
Weakness: non-uniform size FC=1.0
Chip Notes: CR=1.3, 86% Good chip, nice
Cutting Note

(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: FC=1.0
Chip Notes: CR=1.1, 82% Good chips
Cutting Notes:

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

Uses: chip
Strength:
Weakness: small, knobs, shape issues, bad shape, drop, FC=1.0
Chip Notes: CR=1.8, 65% Good chip
Cutting Notes:

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

Uses: chip

Strength: uniform, high tuber number+, tissue culture, parent, nice shape and skin, BOT+++

Weakness: large tubers++

Chip Notes: CR=1.4, 73% Good chips

Cutting Notes:

(051)AC11453-7W-Round White. Parentage (A00188-3C x A03449-2C). Cross was made and selected in Colorado. Late maturity. Large vine size. Light Purple flower color.

Uses: chip

Strength:

Weakness:

(052)AC11467-4W-Oval White. Parentage (A03440-2C x 00-3115-11). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color.

Uses: chip

Strength:

Weakness:

(053)AC11494-6W-Oval White. Parentage (A05158-3C x 00-3115-11). Cross was made and selected in Colorado. Medium late maturity. Medium vine size. White flower color.

Uses: chip

Strength:

Weakness:

(054)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:

Weakness: small, FC=2.

Chip Notes: CR=1.1, 94% Good chips, nice

Cutting Notes:

(055)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: high tuber number+

Weakness: attached stolons, non-uniform size+, large tubers, angular tubers, FC=2.0

Chip Notes: CR=1.3 84% Good chips, nice

Cutting Notes:

(056)CO12235-3W-Round White. Parentage (AC00206-2W x AC03433-1W). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses: chip

Strength:

Weakness:

(057)CO12293-1W-Oval White. Parentage (CO02024-9W x ND7519-1). Cross was made and selected in Colorado. Medium-late maturity. Large Medium-late vine size. White flower color

Uses: chip

Strength:

Weakness:

(058)CO12428-2W-Oval White. Parentage (MSQ070-1 x CO02024-9W). Cross was made and selected in Colorado. Medium maturity. Small-medium-late vine size. White flower color

Uses: fresh

Strength:

Weakness:

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

Uses: chip

Strength: tissue culture, parent, uniform, BOT+++

Weakness: large tubers, FC=1.0

Chip Notes: CR=1.6, 83% Good chips, nice+

Cutting Notes:

(060)Fill

(061)Mackinaw-Round White. Parentage (Saginaw Chipper x Lamoka). Developed by Michigan State University. Medium- late maturity. Medium vine size. White flower color.

Uses: chip

Strength: Resistant to PVY and late blight, tolerance to common scab, low incidence of internal defects, high specific gravity, resistance to Rhizoctonia

Weakness: Lamoka is a parent; blackspot bruise susceptibility is comparable to Snowden

(062)B2869-29-White. Parentage(B0564-8x B1316-5). Developed by USDA-ARS Beltsville.

Uses: chip

Strength:

Weakness:

(063)MSW474-1-Round White. Parentage (MSN190-2 x MSP516-A). Developed by Michigan State University.

Uses: chip

Strength:

Weakness:

(064)MSZ063-2-Round White. Parentage (MSR148-4 x McBride). Developed by Michigan State University.

Uses: chip

Strength:

Weakness:

(065)MSZ242-13-Round White. Parentage (MSR169-8Y x MSU383-A). Developed by Michigan State University.

Uses: chip

Strength:

Weakness:

(066)Winterset-Round White/Yellow. Parentage (NY115 x BC0894-2W). Cross was made and selected in Colorado. Medium maturity. Medium vine size. Purple flower color.

Uses: chip
Strength: high tuber set, small, high tuber numbers, all smalls
Weakness:

(067)Atlantic PUSA -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: uniform, large tubers+, nice skin
Weakness: attached stolons, pointed, FC=1.0
Chip Notes: CR=1.0, CR=1.4, 65% Good chips, 85% Good chips
Cutting Notes:

(068)Snowden PUSA -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: beautiful skin+, BOT
Weakness: flat, angular tubers, FC=1.0, some attached stolons+, rough looks
Chip Notes: CR=1.7, CR=1.3, 70% Good chip, 84% Good chips, nice

(069)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: angular tubers, large tubers, FC=1.
Chip Notes: CR=1.7, 69% Good chips
Cutting Notes:

(070)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:
Weakness: angular tubers+++, flat, heat sprouts, large tubers, attached stolons, ugly shape, drop, FC=1.
Chip Notes: 65% Good chips
Cutting Notes:

(071)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
Weakness: flat, angular tubers+, bad shape, FC=1.4, smaller tubers, not uniform skin texture
Chip Notes: CR=1.5, 68% Good chips
Cutting Notes: too sprouted

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

Uses: chip

Strength:
Weakness: FC=2.2
Chip Notes: CR=2.0, 55% Good chips
Cutting Notes: yellow flesh

(073)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:
Weakness: large tubers+, severe scab, FC=2.0
Chip Notes: CR=1.4, 81% Good chips
Cutting Notes: yellow flesh

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

Uses: chip
Strength: uniform+++, nice, BOT
Weakness: large tubers++, FC=1.0
Chip Notes: CR=1.8, 69% Good chips
Cutting Notes:

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

Uses: chip
Strength: high tuber number, nice skin
Weakness: dirty look, FC=1.0
Chip Notes: CR=2.0, 68% Good chips
Cutting Notes:

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

Uses: chip
Strength: uniform+, nice small
Weakness: , mixed flesh, FC=1.0
Chip Notes: CR=1.3, 79% Good chips ,
Cutting Notes:

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

Uses: chip
Strength:
Weakness: FC=1.0
Chip Notes: CR=1.5, 85% Good chips
Cutting Notes:

(078)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

Weakness: pointed, pear shape, large tubers+, FC=1.0, large+, DROP, a little flat+
Chip Notes: CR=1.8, 63% Good chips
Cutting Notes:

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

Uses: chip
Strength: uniform
Weakness: large tubers+, mixed? (some russets), a little flat, FC=1.
Chip Notes: CR=2.3, 70% Good chips
Cutting Notes:

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

Uses: chip
Strength: high tuber number, BOT
Weakness: large tubers+, rough skin, FC=1.0
Chip Notes: CR=1.2, 83% Good chips
Cutting Notes: nice skin, uniform size and shape

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

Uses: chip
Strength: high tuber number++,
Weakness: FC=1.9
Chip Notes: CR=1.2, 93% Good chips, nice,
Cutting Notes:

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

Uses: chip
Strength:
Weakness: large tubers+, dirty look, angular tubers, FC=2.2
Chip Notes: CR=1.5, 70% Good chips
Cutting Notes:

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

Uses: chip
Strength: smooth skin, small
Weakness: mixed flesh color+, DROP, FC=1.0
Chip Notes: CR=1.2, 84% Good chips, DROP?
Cutting Notes: nice

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

Uses: chip
Strength: small++, uniform+, nice
shape Weakness: FC=1.0

Chip Notes: CR=1.5, 70% Good chips

Cutting Notes:

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

Uses: chip

Strength: nice

Weakness: large tubers, dirty look, FC=2.3

Chip Notes: CR=1.5, 72% Good chips

Cutting Notes:

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

Uses: chip

Strength: small, high tuber number, nice

Weakness: heat sprouts, very light-yellow flesh, FC=1.0

Chip Notes: CR=1.2, 86% Good chips, nice

Cutting Notes:

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

Uses: chip

Strength: uniform, nice size+, medium size, nice skin

Weakness: FC=1.0

Chip Notes: CR=1.3, 85% Good chips, nice

Cutting Notes:

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

Uses: chip

Strength: high tuber number

Weakness: dirty look, large tubers+, FC=1.0

Chip Notes: CR=1.4, 84% Good chips, nice

Cutting Notes:

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

Uses: chip

Strength:

Weakness: FC=1.0

Chip Notes: CR=1.4, 82% Good chips

Cutting Notes:

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

Uses: chip

Strength:

Weakness: Compressed, pinkish skin+, angular tubers+, FC=1.0

Chip Notes: CR=2.1, 51, % Good chip

Russet Selections/Varieties

(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: impressive high tuber number, excellent shape, very nice shape+, BOT+, nice skin, uniform size, nice russet skin, nice shape and size, skinning, good yield and size, large tubers, nice, BOT++++

Weakness: some rotten

Cutting Notes:

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

Uses: fresh

Strength: good tubers+, wide, snow-white flesh, high tuber no, BOT

Weakness:

Cutting Notes:

(003)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: good skin and shape+, impressive high tuber number, nice shape and size+

Weakness: some misshapen+, many eyes, pointy, heat sprouts++, chain tubers+ knobs

Cutting Notes:

(004)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 good tuber number

Weakness: deep eyes, rugged+, pointed knobs+++ heat sprouts and chain tubers++, skinny tubers and rots, irregular shape, rough moon shapes

Cutting Notes:

(005)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: high tuber number, medium russet skin

Weakness: knobs+++ , bad shape++, skinny, misshapen+, ugly, soft rotten stolon ends, many eyes, dislike shape, terrible shape, heat sprouts++, medium tuber size, chain tubers++, all culls, linked tubers++, +, deformed tubers++, FC=1.0, growth cracks, deformed tubers, curved

Cutting Notes:

(006)Clearwater Russet-Long Russet. Parentage (Bannock x A89152-4). Cross was made in Aberdeen,

tuberling produced in Oregon, and selected in Aberdeen. Medium-early maturity. Medium-large vine size. Medium-purple flower color.

Uses: dual

Strength:

Weakness:

(007)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: high tuber number++, large, smooth skin++

Weakness: heat sprouts++, knobs+++, light skin++, ugly, bad shape, non-uniform shape, deformed tubers, misshapen rotten++, long tubers, pointy+, sprouting, poor shape, low tuber number, not uniform shape

Cutting Notes:

(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: BOT

Weakness: non-uniform shape, oval to very long, heals dark, knobs, pointed, light skin, chain tubers+, and heat sprouts++, knobs++, pointy+, good number+, rots, bad shape, non-uniform russet skin

Cutting Notes: light russetting

(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 shape, blocky+, nice skin, and good number, bulky, excellent size and shape, nice russet skin, BOT

Weakness: non-uniform skin, low yield, round tubers, heat sprouts+, knobs, medium growth, chain tubers, smaller shape, 3 0% soft rots stolon ends

Cutting Notes: golden skin, bulky, light russetting

(010)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 tuber size, high tuber number

Weakness: long moon shape+, long skinny, pointed++, heat sprouts++ long tubers+, knobs+, shriveled, very very long+, many eyes, pointed++, foot long, large, light skin

Cutting Notes: nice russet skin

(011)AOR08540-1-Oblong Russet. Parentage (A02782-2 x PA01N22-5). Cross was made in Idaho, tuberling produced and selected in Oregon. Medium maturity. Medium-large vine size. White flower color

Uses: fresh

Strength:

Weakness:

(012)AOR10204-3-Long Russet. Parentage (COA05110-3 x A05066-9). Cross was made in Idaho,

tuberling produced and selected in Oregon. Early maturity. Medium vine size. Lavender-Purple flower color

Uses: fresh

Strength:

Weakness:

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

Uses: fresh

Strength: high tuber number++, good skin

Weakness: different shapes and sizes, knobs, late+, many chain tubers+, heat sprouts++, round shape, non-uniform size, lots of culls, drops++, many smalls+, oval, chained tubers, knobs, bad shape

Cutting Notes:

(014)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: nice skin, good shape+, golden russet skin, good tuber number+, and skin color nice shape, nice russet skin+

Weakness: very few tubers, chain tubers, heat sprouts+, knobs, light skin, a little flat

Cutting Notes:

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

Uses: fresh

Strength: good tuber number nice shape, uniform shape and size

Weakness: very low yield, small shape, knobs with chain tubers, roundish different shapes and rots, alligator skin, very low tuber number, weird russet pattern, not uniform russet skin, heavy russet skin

Cutting Notes:

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

Uses: process

Strength: good skin good number

Weakness: dark skin, misshapen+, pointed+, low tuber number++, knobs++, heat sprouts+, chain tubers+, shape issues, skinny tubers, some very long tubers, pointy, 50% with soft stolon ends, good shape and size, 20 % with soft stolon end.

Cutting Notes:

(017)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: nice, high tuber number+, nice, long+

Weakness: very light skin+++ , skinny+, misshapen, ZC 20%, skinny++, long heat sprouts+++ , light russet, too light, pointed++, curvy shape, light skin, uneven shape

Cutting Notes:

(018)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: medium, good shape, high tuber number, high tuber number+++ , good russet skin

Weakness: skinny, chain tubers++ and knobs++ heat sprouts++ poor skin, irregular shape angular+

Cutting Notes:

(019)AFC5726-1RU-Oblong Russet. Parentage (AF2850-9 x Dakota Trailblazer). Cross was made and selected in Colorado. Late maturity. Large-Very Large vine size. White flower color.

Uses: chip

Strength:

Weakness:

(020)CO12152-1RU-Long Russet. Parentage (Dakota Russet x CO06035-3RU). Cross was made and selected in Colorado. Medium maturity. Small vine size. Light purple flower color

Uses: dual

Strength:

Weakness:

(021)CO12246-1RU-Oblong Russet. Parentage (AC03300-1RU x CO06097-14RU). Cross was made and selected in Colorado. Early-medium maturity. Small-medium- vine size. Purple flower color

Uses: dual

Strength:

Weakness:

(022)CO12378-1RU-Oblong Russet. Parentage (CO06035-3RU x AO02183-2). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses: dual

Strength:

Weakness:

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

Uses: fresh

Strength: good tuber number++ good size, high tuber number, clean, nice shape and size+, advance, BOT

Weakness: skinny+, pointed+, some long, small, very light skin+, small-medium, irregular shapes and chain tubers+, a few heat sprouts, knobs+ heat sprouts

Cutting Notes:

(024)AOTX05043-1Ru-Russet. Parentage (A99032-2TE x Summit Russet). Cross was made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: fresh

Strength:

Weakness:

(025)ATTX10007-1Ru-Long Russet. Parentage (A02060-3TE x A05013-5TE). Cross was made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh
Strength:
Weakness: very light skin, blocky, FC=1.0
Cutting Notes:

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

Uses: fresh
Strength: golden skin, nice shape
Weakness: short, FC=3.5
Cutting Notes: dislike shape

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

Uses: fresh
Strength:
Weakness:
Cutting Notes:

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

Uses: fresh
Strength: nice, bulky+, advance, prepare PVP, very high tuber number, snow white, nice shape, good tuber numbers+, round and big tubers, few heat sprouts, blocky, nice shape, nice russet skin +, BOT+++
Weakness: chain tubers+++ not uniform shape and size, low tuber number and knobs+, small size and shape, irregular skin, ZC 10%, drop
Cutting Notes:

(029)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: round to oval+, unique pattern+, strong, short, round, smaller, pink eyes+, nice yellow flesh
Weakness: fewer number tubers, FC=3.
Cutting Notes: sprouting, intense yellow flesh

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

Uses: fresh
Strength: blocky+, very nice+, medium size, good number, knobs+, medium size, good shape, nice russet skin, parent for yield, clean, excellent rep, nice shape and size, nice skin, heavy russet, nice russetting, medium size, uniform russet skin, some nice shapes, BOT+
Weakness: lower tuber number, heat sprouts, rots+, poor skin pattern, chain tubers, non-uniform shape, FC=1.
Cutting Notes: heavy russet skin

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

Uses: fresh

Strength: very intense yellow flesh, parent (cross with Yellow Rose), rocky russet

Weakness: different, round, FC=4.5

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

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

Uses: fresh

Strength: high tuber number+

Weakness: knobs, chain tubers, not uniform russet skin, pointed+, short, ZC 20%, angular+, bad shape, FC=1.0

Cutting Notes: nice size and shape, KEEP

(033)*Dal17001RuRub*-Oblong Russet. Parentage (??).

Uses: fresh

Strength: nice shape, nice skin+

Weakness: FC=1.0

Cutting Notes:

(034)*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: nice shape and skin

Weakness: FC=1.0

Cutting Notes:

Cutting Notes: soft rot ends

(035)*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 shape and skin+++ , large many tubers, good skin

Weakness: a little pointed, low tuber number+, heat sprouts+, knobs+, rots, very few tubers
FC=1.

Cutting Notes: nice shape

(036)*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: nice shape

Weakness: long tubers++, skinny++, smaller profile, curved tubers, low tuber number+, knobs +, chain tubers++, nice skin, heat sprouts+, FC=1.0

Cutting Notes: nice shape

(037)*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: very nice, large+, parent, nice tubers, BOT, high yield, medium uniform tubers, uniform size, russet, nice++, golden+, attractive

Weakness: very few tubers, rot, low tuber number++, FC=2.0, FC=3.0

Cutting Notes: parent

(038)Stampede Russet-Oblong-Long Russet. Parentage (BR70101-1 x Lemhi Russet), cross made in Texas, selected in Idaho and tested extensively in Alberta, Canada. Released in 1101010 by Agriculture and Agri-Food Canada and the Texas Agricultural Experiment Station. Early maturity. Medium vine size. Lavender flower color.

Uses: fresh.

Strength: smooth tubers, good skin set, high yielding, dark attractive russet skin.

Weakness:

Cutting Notes:

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

Uses: fresh

Strength: high tuber number+, large bulky, nice skin, good shape blocky+, very nice,

Weakness: heat sprouts, chain tubers, a little short+, FC=1.

Cutting Notes: hollow heart

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

Uses: fresh

Strength: BOT nice

Weakness: variable size, hollow heart on very large tubers

blocky Cutting Notes: very nice shape nice, blocky

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 Abbriation 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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COTX10138-15Wpe/Y
ETHIO-SFC-6038

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MSZ242-13
FBI/DOJ/NCJ/606

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COTX08063-2Ru
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Sierra Gold

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**Funds Received to Support
The Texas Potato Breeding Program
July 1, 2019- June 30, 2020**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$150,018
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	\$140,722
Industry Trial Support	\$10,000
Texas A&M Vectored Disease Grant	\$10,000
Teaching Assistanship (Jeewan Pandey)	\$30,000
Bourlaug Scholarship (Sanjeev Gautam)	\$20,000

\$381,740

Expected July 1, 2020 – June 30, 2021:

USDA/NIFA (Special Research Grants Program, Potato Research)	\$131,716
USDA/SCRI (Tools for polyploid crop plants)	\$62,876
Texas AgriLife (Genome-wide Association Studies)	\$16,000
Internal Funds (Bio-reactor heat screening)	\$10,000
Potatoes USA Grant for National Chip Breeders Trial – Texas	\$8,000
Potatoes USA Grant for Potato Breeding in Texas	\$10,000
Royalty Returned to Program (Estimated)	\$140,000
Industry Trial Support	\$10,000
Texas A&M Vectored Disease Grant	\$10,000
Bourlaug Scholarship (Sanjeev Gautam)	\$20,000

\$418,592

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 A&M University Potato Breeding Program Team:

Isabel Vales - Project Director

Jeff Koym and Douglas Scheuring - Senior Research Associates

Mythreyi Jamadagni – Research Associate

Mike Jenson – Technical Assistant Lubbock

Jeewan Pandey and Sanjeev Gautam – Graduate Students

Megan Teale, Nina Rau, Preston Trevino, Taylor Swoboda - Student Workers

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

Licensee	Contact	Location	Phone
Arcadia Ag	Bill Geyer	Dillon, Montana	(406) 925-2040
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
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	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
Jackson-Brush Plant Lab	Jolene Brush	Norris, Montana	(406) 685-3340
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	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
San Acacio Seed, LLC	Leroy Salazar	Manassa, Colorado	(719) 588-0131
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
Sklarczyk Seed Farm, LLC	Ben Sklarczyk	Johannesburg, Michigan	(989) 731-5452
Skyline Farms	Conn Crapo	St. Anthony, Idaho	(208) 624-8189
Summit Plant Laboratories	Vicki Lee	Fort Collins, Colorado	(970) 224-2021
Telford Sun Valley Seed	Mike Telford	Paul, Idaho	(208) 532-4555
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

As of February 12, 2020

Current U.S. 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 McGlenn	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

As of February 12, 2020

Current Licensees for ‘Vanguard Russet’ Potato

Licensee	Contact	Location	Phone
Bula Potato Farms Inc.	Adam Bula	Antigo, Wisconsin	(715) 275-3430
CSS Farms	Milt Carter	Watertown, South Dakota	(605) 886-2577
Iott Seed Farms	Dennis Iott	Kalkaska, Michigan	(231) 590-4886
Zapata Seed Company	Anna Brownell	Hooper, Colorado	(719) 754-9048

Springlake
Table 1a.

Total yield, total yield of U.S. No.1, over 18 oz, under 4 oz and culls/No.2 potatoes and general rating of 24 entries in the red-purple skin selections grown near Springlake, Texas-2020.

Clone name/ID	Trial	Total Yield cwt/a	U.S. No. 1 cwt/a			Over 18 oz cwt/a	Under 4 oz. cwt/a	Culls/ No.2 cwt/a	General Rating ¹ Field	General Rating ¹ Grading	
			Total Yield	4-6 oz	6-10 oz						10-18 oz
Red LaSoda	Red20	400.8	341.2	84.7	190.9	65.6	0.0	59.6	0.0	4.0	4.4
Purple Majesty	Red20	317.6	48.9	34.8	11.5	2.5	0.0	261.6	7.1	4.4	2.7
ATX06264s-4R/Y	Red20	304.5	47.2	33.3	13.9	0.0	0.0	243.7	13.5	3.6	4.0
ATTX10265-4R/Y	Red20	299.4	52.9	37.3	15.6	0.0	0.0	240.3	6.2	4.2	3.8
Chieftain	Red20	288.0	222.5	72.8	102.8	46.9	0.0	61.8	3.7	4.2	4.4
COTX15083-1R	Red20	286.9	44.0	38.6	5.4	0.0	0.0	233.7	9.2	4.0	4.3
A08112-7R	Red20	270.2	10.6	10.6	0.0	0.0	0.0	257.6	2.1	3.8	4.4
NDTX4784-7R	Red20	241.0	91.2	52.5	32.4	6.2	0.0	132.2	17.6	4.5	3.8
ATTX05175s-1R/Y	Red20	235.0	8.9	8.9	0.0	0.0	0.0	223.6	2.5	4.2	3.9
ATTX11633-1RYPinto/Y	Red20	217.2	46.9	45.2	1.7	0.0	0.0	168.5	1.8	4.3	3.9
ATX11586-2R/Y	Red20	215.4	33.8	30.8	3.0	0.0	0.0	179.1	2.5	3.6	4.0
COTX04193s-2R/Y	Red20	211.6	31.9	27.0	5.0	0.0	0.0	178.5	1.2	4.6	3.8
COTX040505s-1P/P	Red20	195.1	14.5	14.5	0.0	0.0	0.0	180.6	0.0	3.8	3.6
ATX02263-1R/Y	Red20	193.6	25.9	22.0	3.9	0.0	0.0	165.4	2.3	3.6	3.6
ATTX98444s-16R/Y	Red20	182.5	5.5	5.5	0.0	0.0	0.0	174.4	2.6	4.5	3.8
ATX11549-1P/Y	Red20	178.7	79.7	56.5	21.4	1.8	0.0	92.0	7.0	3.7	3.8
NDTX092237C-2P/W	Red20	173.3	62.5	38.7	23.7	0.0	0.0	110.1	0.8	3.6	3.6
COTX040505s-1P/P	Red20	181.4	40.4	30.0	10.0	0.4	0.0	138.5	2.5	4.0	3.7
TX14646-1WR/YPinto	Red20	163.9	89.0	50.9	38.0	0.0	0.0	73.2	1.7	4.0	4.0
NDTX091886-3P/P	Red20	160.6	31.7	30.0	1.7	0.0	0.0	128.5	0.5	3.6	3.6
NDTX12248Y-1R	Red20	156.5	124.5	55.4	62.0	7.0	0.0	31.1	0.9	4.0	3.9
Sierra Rose	Red20	146.8	77.2	34.2	32.2	10.8	0.0	66.3	3.3	4.4	3.9
NDTX059759-3R/Y Pinto	Red20	130.4	21.7	16.0	5.6	0.0	0.0	108.8	0.0	3.7	3.7
Modoc	Red20	38.9	19.9	13.1	6.7	0.0	0.0	17.5	1.6	2.0	2.0
Average		216.2	65.5	35.1	24.5	5.9	0.0	146.9	3.8	3.9	3.8
L.S.D. (.05)		59.6	37.1	23.8	21.9	21.1	0.0	45.9	6.0		0.2

¹ 1=very poor to 5= excellent

Springlake
Table 1b.

Percent by weight of U.S. No. 1, over 18 oz, under 4 oz, culls/No.2 potatoes, specific gravity, tuber type and skin type of 24 entries in the red-purple skin selections grown near Springlake, Texas-2020.

Clone name/ID	Trial	Percent By Weight of U.S. No. 1				Percent By Weight			Specific Gravity	% Solids	Tuber Type	Skin Type
		Total Yield	4-6 oz	6-10 oz	10-18 oz	Over 18 oz.	Under 4 oz.	Culls/ No. 2				
Red LaSoda	Red20	85.0	21.2	47.3	16.5	0.0	15.0	0.0	1.063	13.8	Round	Red
Purple Majesty	Red20	15.9	11.7	3.6	0.7	0.0	82.0	2.1	1.073	15.6	Oval	Purple
ATX06264s-4R/Y	Red20	14.9	10.6	4.3	0.0	0.0	80.4	4.7	1.061	13.4	Round	Red
ATTX10265-4R/Y	Red20	17.7	12.5	5.2	0.0	0.0	80.3	2.1	1.060	13.2	Round	Red
Chieftain	Red20	77.3	27.8	35.7	13.7	0.0	21.2	1.5	1.063	13.7	Round	Red
COTX15083-1R	Red20	15.9	14.2	1.7	0.0	0.0	80.7	3.4	1.054	12.2	Round	Red
A08112-7R	Red20	4.0	4.0	0.0	0.0	0.0	95.0	1.0	1.060	13.2	Round	Red
NDTX4784-7R	Red20	37.4	21.8	13.1	2.4	0.0	55.0	7.6	1.061	13.3	Round	Red
ATTX05175s-1R/Y	Red20	3.3	3.3	0.0	0.0	0.0	95.4	1.3	1.067	14.4	Round	Red
ATTX11633-1RYPinto/Y	Red20	21.6	20.7	0.9	0.0	0.0	77.5	0.9	1.065	14.1	Round	Red/Pinto
ATX11586-2R/Y	Red20	14.9	13.7	1.1	0.0	0.0	84.1	1.0	1.061	13.5	Oblong	Red
COTX04193s-2R/Y	Red20	15.1	12.8	2.3	0.0	0.0	84.4	0.5	1.064	13.9	Round	Red
COTX040505s-1P/P	Red20	6.7	6.7	0.0	0.0	0.0	93.3	0.0	1.065	14.2	Round	Purple
ATX02263-1R/Y	Red20	12.5	11.0	1.6	0.0	0.0	85.9	1.6	1.064	13.9	Oval	Red
ATTX98444s-16R/Y	Red20	3.2	3.2	0.0	0.0	0.0	95.5	1.3	1.072	15.4	Round	Red
ATX11549-1P/Y	Red20	43.2	30.5	11.7	1.0	0.0	52.7	4.2	1.071	15.3	Round	Purple
NDTX092237C-2P/W	Red20	36.1	22.2	13.9	0.0	0.0	63.5	0.4	1.072	15.4	Round	Purple
COTX040505s-1P/P	Red20	22.1	16.4	5.5	0.2	0.0	76.4	1.5	1.069	14.8	Round	Purple
TX14646-1WR/YPinto	Red20	53.6	30.6	23.0	0.0	0.0	45.4	1.0	1.062	13.5	Oval	Red/Pinto
NDTX091886-3P/P	Red20	20.1	19.1	1.0	0.0	0.0	79.6	0.3	1.072	15.3	Round	Purple
NDTX12248Y-1R	Red20	80.1	36.5	39.9	3.7	0.0	19.4	0.5	1.067	14.5	Round	Red
Sierra Rose	Red20	54.5	22.2	26.0	6.3	0.0	43.8	1.6	1.065	14.0	Oval	Red
NDTX059759-3R/Y Pinto	Red20	15.6	12.3	3.2	0.0	0.0	84.4	0.0	1.053	12.0	Round	Red/Pinto
Modoc	Red20	48.9	36.0	12.8	0.0	0.0	45.0	6.2	1.061	13.4	Round	Red
Average		30.0	17.5	10.6	1.9	0.0	68.2	1.9	1.064	14.0		
L.S.D. (.05)		10.8	11.5	8.9	7.7	0.0	10.0	3.4	0.007	1.1		

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Springlake
Table 1c.

Average number of tubers and stems per plant, tuber weight, plant characteristics, percent dead vine at vine kill, and flesh color of
37 entries in the red-purple skin selections grown near Springlake, Texas-2020.

Clone name/ID	Trial	Average Number Tubers/ Plant	Average Number Stems/ Plant	Average Tuber Weight In oz.	Plant Characteristics				Percent Dead Vines	Flesh Color ⁵
					Plant Type ¹	Vigor ²	Maturity ³	Vine Size ⁴		
Red LaSoda	Red20	7.0	2.1	4.7	1.8	4.2	4.6	4.1	3	1.0
Purple Majesty	Red20	13.7	2.3	1.9	2.3	4.3	3.5	4.3	32	1.0
ATX06264s-4R/Y	Red20	16.4	2.2	1.6	2.0	3.8	5.0	3.8	0	1.0
ATX10265-4R/Y	Red20	11.0	1.5	2.2	1.5	3.5	5.0	3.4	0	1.0
Chieftain	Red20	5.6	1.6	4.2	1.7	3.6	3.7	3.7	18	3.0
COTX15083-1R	Red20	13.3	1.6	1.9	2.0	3.6	4.8	3.6	2	3.5
A08112-7R	Red20	17.3	2.3	1.3	2.0	3.9	4.9	3.9	0	3.0
NDTX4784-7R	Red20	7.5	1.5	2.6	2.0	3.4	3.3	3.5	50	3.0
ATX05175s-1R/Y	Red20	15.6	2.1	1.2	2.0	3.7	4.5	3.7	8	2.0
ATX11633-1RYPinto/Y	Red20	7.9	1.9	2.3	2.0	3.3	3.7	3.5	22	2.5
ATX11586-2R/Y	Red20	10.0	1.7	1.8	2.2	3.8	4.8	3.7	5	2.5
COTX04193s-2R/Y	Red20	6.5	1.9	7.1	1.8	3.8	3.4	3.8	52	2.7
COTX040505s-1P/P	Red20	10.0	1.4	1.7	1.8	3.7	5.0	3.7	0	4.4
ATX02263-1R/Y	Red20	8.6	1.5	1.9	1.7	3.4	3.8	3.5	25	1.0
ATX98444s-16R/Y	Red20	10.6	2.0	1.4	1.5	3.6	2.8	3.7	72	2.5
ATX11549-1P/Y	Red20	5.1	2.1	2.9	2.0	3.6	2.6	3.7	77	3.0
NDTX092237C-2P/W	Red20	6.1	1.6	2.5	2.0	3.5	3.7	3.6	15	4.8
COTX040505s-1P/P	Red20	7.7	1.9	2.1	1.9	3.5	3.2	3.6	47	3.1
TX14646-1WR/YPinto	Red20	4.4	1.4	3.6	1.5	2.8	3.4	3.0	52	1.0
NDTX091886-3P/P	Red20	7.3	1.9	1.8	2.0	4.2	4.7	4.2	5	1.0
NDTX12248Y-1R	Red20	3.7	1.5	4.0	1.5	3.1	3.4	3.1	42	1.0
Sierra Rose	Red20	8.1	1.6	2.9	2.2	2.2	3.9	3.8	17	1.5
NDTX059759-3R/Y Pinto	Red20	6.0	1.6	1.8	2.2	3.5	5.0	3.5	0	3.0
Modoc	Red20	7.4	1.9	3.1	1.8	1.0	4.5	2.3	3	4.0
Average		9.0	1.8	2.6	1.9	3.5	4.1	3.6	23	2.4
L.S.D. (.05)		3.2	0.3	2.1	0.3	0.4	0.4	0.3	10	0.2

¹ 1= upright, 2= semiprostrate, 3= prostrate

² 1= poor, 2= fair, 3= medium, 4= vigorous, 5= very vigorous

³ 1= very early, 2= early, 3= medium, 4=late, 5= very late

⁴ 1=very small, 2=small, 3=medium, 4=large, 5=very large

⁵ 1=light to 5=dark

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Springlake
Table 2a.

Total yield, total yield of U.S. No.1, over 18 oz, under 4 oz and culls/No.2 potatoes and general rating of 13 entries of the white skin selections grown near Springlake, Texas-2020.

Clone name/ID	Trial	Total Yield cwt/a	U.S. No. 1 cwt/a			Over 18 oz cwt/a	Under 4 oz. cwt/a	Culls/ No.2 cwt/a	General Rating ¹ Field	General Rating ¹ Grading	
			Total Yield	4-6 oz	6-10 oz						10-18 oz
CO10098-5W/Y	W/Y20	273.1	10.8	10.8	0.0	0.0	258.4	3.9	4.0	3.7	
NDTX081451CBs-1Y/Y	W/Y20	270.1	50.7	37.8	6.9	6.0	217.7	1.7	4.4	3.8	
CO11250-1W/Y	W/Y20	264.2	78.4	53.6	24.8	0.0	185.9	0.0	3.7	3.6	
CO11266-1W/Y	W/Y20	263.4	17.2	17.2	0.0	0.0	242.7	3.6	3.6	3.6	
AORTX11913-3Wre	W/Y20	253.9	84.0	63.0	21.0	0.0	167.9	2.0	4.2	4.4	
COTX10138-15Wpe/Y	W/Y20	237.5	48.6	34.3	14.3	0.0	187.6	1.3	4.2	3.8	
COTX10118-4Wpe/Y	W/Y20	234.6	70.8	43.3	27.4	0.0	161.7	2.2	3.8	4.0	
CO10064-1W/Y	W/Y20	231.9	34.3	31.3	3.0	0.0	194.6	2.9	3.8	3.7	
Paroli	W/Y20	228.1	121.2	80.4	40.8	0.0	96.1	10.7	4.6	3.8	
ATTX07230-4Yre/Y	W/Y20	189.9	77.2	50.0	25.6	1.6	104.5	8.2	3.2	3.8	
Yukon Gold	W/Y20	180.6	121.0	47.9	62.3	10.7	56.4	3.2	3.7	3.9	
COTX10012-1Wrdspl/Y	W/Y20	128.6	19.7	17.3	2.4	0.0	108.4	0.5	3.6	3.6	
POR14PG22-3	W/Y20	121.5	6.2	6.2	0.0	0.0	115.2	0.0	2.0	3.5	
Average		221.3	56.9	37.9	17.6	1.4	0.0	161.3	3.1	3.8	3.8
L.S.D. (.05)		59.6	37.1	23.8	21.9	21.1	0.0	45.9	6.0		0.2

¹ 1=very poor to 5= excellent

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Springlake
Table 2b.

Percent by weight of U.S. No. 1, over 18 oz, under 4 oz, culls/No.2 potatoes, specific gravity, tuber type and skin type of 13 entries of the white skin selections grown near Springlake, Texas-2020.

Clone name/ID	Trial	Percent By Weight of U.S. No. 1				Percent By Weight			Specific Gravity	% Solids	Tuber Type	Skin Type
		Total Yield	4-6 oz	6-10 oz	10-18 oz	Over 18 oz.	Under 4 oz.	Culls/ No. 2				
CO10098-5W/Y	W/Y20	4.1	4.1	0.0	0.0	0.0	94.4	1.5	1.083	17.3	Round	White
NDTX081451CBs-1Y/Y	W/Y20	18.7	14.1	2.6	2.0	0.0	80.6	0.7	1.077	16.2	Round	White
CO11250-1W/Y	W/Y20	28.6	19.9	8.7	0.0	0.0	71.4	0.0	1.072	15.3	Round	White
CO11266-1W/Y	W/Y20	6.3	6.3	0.0	0.0	0.0	92.5	1.2	1.067	14.4	Round	White
AORTX11913-3Wre	W/Y20	31.2	24.2	7.0	0.0	0.0	67.9	0.8	1.065	14.0	Round	White/Red Eyes
COTX10138-15Wpe/Y	W/Y20	21.0	14.8	6.2	0.0	0.0	78.4	0.5	1.068	14.6	Round	White/Purple Eyes
COTX10118-4Wpe/Y	W/Y20	30.3	18.8	11.5	0.0	0.0	68.7	1.0	1.057	12.7	Round	White/Purple Eyes
CO10064-1W/Y	W/Y20	16.2	14.2	2.0	0.0	0.0	82.8	1.0	1.074	15.6	Round	White
Paroli	W/Y20	52.6	37.0	15.6	0.0	0.0	43.0	4.4	1.067	14.4	Round	White
ATTX07230-4Yre/Y	W/Y20	41.7	25.9	15.0	0.8	0.0	54.1	4.2	1.060	13.2	Round	White/Red Eyes
Yukon Gold	W/Y20	66.0	28.1	33.5	4.4	0.0	32.6	1.4	1.073	15.5	Round	White
COTX10012-1Wrdspl/Y	W/Y20	15.9	14.2	1.7	0.0	0.0	83.8	0.3	1.063	13.8	Round	White/Red Splash
POR14PG22-3	W/Y20	3.2	3.2	0.0	0.0	0.0	96.8	0.0	1.062	13.5	Round	White
Average		25.8	17.3	8.0	0.5	0.0	72.8	1.3	1.068	14.7		
L.S.D. (.05)		10.8	11.5	8.9	7.7	0.0	10.0	3.4	0.007	1.1		

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Springlake
Table 2c.

Average number of tubers and stems per plant, tuber weight, percent stand 40 and 60 days after planting, plant characteristics, percent dead vine at vine kill, length/with, and with/thickness, length cm, with cm, and thickness cm of 13 entries of the white skin selections grown near Springlake, Texas-2020.

Clone name/ID	Trial	Average Number Tubers/ Plant	Average Number Stems/ Plant	Average Tuber Weight In oz.	Plant Characteristics				Percent Dead Vines	Flesh Color ⁵
					Plant Type ¹	Vigor ²	Maturity ³	Vine Size ⁴		
CO10098-5W/Y	W/Y20	13.6	2.0	1.7	2.6	4.2	3.5	4.1	32	4.0
NDTX081451CBs-1Y/Y	W/Y20	11.2	2.1	2.0	2.5	4.2	4.0	4.2	15	3.0
CO11250-1W/Y	W/Y20	8.3	2.0	2.7	1.8	3.9	4.8	3.9	0	3.0
CO11266-1W/Y	W/Y20	14.5	2.1	1.5	1.8	3.7	4.3	3.7	7	2.7
AORTX11913-3Wre	W/Y20	7.6	2.0	2.7	2.3	4.1	3.7	4.1	32	1.6
COTX10138-15Wpe/Y	W/Y20	11.7	2.1	1.7	2.0	3.7	3.3	3.7	55	2.6
COTX10118-4Wpe/Y	W/Y20	9.6	1.4	2.0	1.8	3.7	4.8	3.8	3	3.0
CO10064-1W/Y	W/Y20	9.5	1.8	2.1	2.2	3.9	5.0	4.0	0	3.2
Paroli	W/Y20	8.1	1.6	2.7	2.2	3.9	3.4	3.8	35	2.9
ATTX07230-4Yre/Y	W/Y20	5.4	1.5	3.0	1.7	3.3	3.5	3.4	38	1.8
Yukon Gold	W/Y20	5.1	1.3	3.6	1.3	3.5	3.0	3.6	50	3.0
COTX10012-1Wrdspl/Y	W/Y20	6.6	1.6	2.0	1.7	2.8	2.7	2.9	67	3.2
POR14PG22-3	W/Y20	16.0	1.8	0.6	2.0	3.5	5.0	3.6	0	1.2
Average		9.8	1.8	2.2	2.0	3.7	3.9	3.8	26	2.7
L.S.D. (.05)		3.2	0.3	2.1	0.3	0.4	0.4	0.3	10	0.2

¹ 1= upright, 2= semiprostrate, 3= prostrate

² 1= poor, 2= fair, 3= medium, 4= vigorous, 5= very vigorous

³ 1= very early, 2= early, 3= medium, 4=late, 5= very late

⁴ 1=very small, 2=small, 3=medium, 4=large, 5=very large

⁵ 1=light to 5=dark

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Springlake
Table 3a.

Total yield, total yield of U.S. No.1, over 18 oz, under 4 oz and culls/No.2 potatoes and general rating of 3 entries in the Fingerling selection Trial grown near Springlake, Texas-2020.

Clone name/ID	Trial	Total Yield cwt/a	Total Marketable Yield	Culls/ No.2 cwt/a	General Rating ¹ Field	General Rating ¹ Grading
Banana	Fing20	114.8	95.1	19.7	3.4	3.3
COTX08365F-3P/P	Fing20	153.6	143.5	10.1	3.6	3.7
PORTX03PG25-2R/R	Fing20	201.0	199.5	1.5	4.2	3.9
Average		156.5	146.0	10.4	3.7	3.7
L.S.D. (.05)		59.6	37.1	6.0		0.2

¹ 1=very poor to 5= excellent

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Springlake
Table 3b.

Percent by weight of Marketable Yield and culls/No.2 potatoes, specific gravity, tuber type, skin type average number of tubers and stems per plant, and tuber weight of 3 entries in the Fingerling selection Trial grown near Springlake, Texas-2020.

Clone name/ID	Trial	Percent By Weight				Tuber Type	Skin Type	Average Number Tubers/ Plant	Average Number Stems/ Plant	Average Tuber Weight In oz.
		Total Marketable Yield	Culls/ No. 2	Specific Gravity	% Solids					
Banana	Fing20	82.6	17.4	1.073	15.5	Long	White	7.9	1.7	1.3
COTX08365F-3P/P	Fing20	93.8	6.2	1.048	11.1	Long	Purple	7.1	1.6	1.9
PORTX03PG25-2R/R	Fing20	99.3	0.7	1.063	13.7	Long	Red	9.2	1.6	2.0
Average		91.9	8.1	1.061	13.4			8.1	1.6	1.7
L.S.D. (.05)		10.8	3.4	0.007	1.1			3.2	0.3	2.1

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Springlake
Table 4a.

Total yield, total yield of U.S. No.1, over 18 oz, under 4 oz and culls/No.2 potatoes and general rating of 38 entries in the Western and Southwest Regional Russet and Advanced Texas selections Trial grown near Springlake, Texas-2020.

Clone name/ID	Trial	Total Yield cwt/a	U.S. No. 1 cwt/a			Over 18 oz cwt/a	Under 4 oz. cwt/a	Culls/ No.2 cwt/a	General Rating ¹ Field	General Rating ¹ Grading	
			Total Yield	4-6 oz	6-10 oz						10-18 oz
TX13590-9Ru	TXRU20	331.8	225.9	56.4	95.8	73.8	0.0	102.6	3.3	3.9	4.2
COTX09022-3Rure/Y	TXRU20	263.1	141.5	77.6	61.7	2.3	0.0	117.9	3.7	4.2	4.4
AOR08540-1	WR20	260.7	131.5	62.9	59.3	9.2	0.0	111.0	18.2	4.1	3.9
Vanguard Russet	ADVRU20	259.4	182.9	55.3	80.2	47.4	0.0	67.8	8.8	4.5	4.3
Russet Norkotah 296	TXRU20	249.4	174.0	50.9	64.8	58.3	0.0	62.5	12.9	4.2	4.3
Sierra Gold	TXRU20	239.9	179.4	58.9	97.8	22.7	0.0	60.0	0.5	4.2	4.3
CO11009-3RU	WR20	232.3	131.9	46.7	80.0	5.3	0.0	95.5	4.8	4.0	4.2
Shepody	WR20	231.6	111.1	31.5	61.8	17.9	0.0	72.8	47.7	2.5	3.8
TXA549-1Ru	TXRU20	230.0	103.8	55.9	44.9	3.0	0.0	113.6	12.6	3.9	3.7
Russet Norkotah	WR20	221.9	129.0	66.1	45.1	17.7	0.0	81.8	11.2	4.1	4.1
COTX08063-2Ru	SW20	221.9	101.6	58.4	43.2	0.0	0.0	115.1	5.2	3.7	4.2
Russet Burbank	WR20	216.6	64.9	41.8	23.0	0.0	0.0	66.1	85.6	3.3	3.3
ATX10007-1Ru	TXRU20	216.1	175.6	36.0	37.3	102.3	0.0	37.3	3.1	5.0	4.5
Reveille Russet	ADVRU20	210.1	122.3	60.3	48.6	13.4	0.0	82.7	5.1	4.3	4.0
Russet Norkotah 223	TXRU20	207.8	169.3	50.6	74.2	44.5	0.0	36.1	2.4	3.9	4.1
A071012-4BF	WR20	206.6	128.7	38.7	47.7	42.3	0.0	61.3	16.6	3.8	3.6
CO10085-1RU	WR20	204.7	47.5	37.7	9.8	0.0	0.0	135.3	21.9	3.5	3.2
ATX10378-3Ru/Y	TXRU20	204.0	67.8	55.7	12.1	0.0	0.0	133.0	3.2	3.5	3.6
CO12378-1RU	SW20	201.9	63.5	43.3	20.2	0.0	0.0	137.0	1.4	3.7	3.6
CO10087-4RU	WR20	201.0	128.0	32.7	72.5	22.8	0.0	69.9	3.0	4.1	4.1
AOR10204-3	WR20	199.6	106.6	31.5	53.1	22.0	0.0	73.9	19.1	3.8	3.8
CO12152-1RU	SW20	194.1	62.8	33.5	29.3	0.0	0.0	123.5	7.7	3.7	3.9
POR12NCK50-1	WR20	191.8	64.9	37.9	22.1	4.8	0.0	120.9	6.0	3.7	3.7
COTX08322-10Ru	TXRU20	189.8	123.2	43.4	53.6	26.2	0.0	57.8	8.8	3.8	3.8
Stampede Russet	TXRU20	189.6	103.0	34.9	54.6	13.5	0.0	85.5	1.0	4.0	4.1
Ranger Russet	WR20	185.9	72.9	45.7	27.2	0.0	0.0	92.3	20.6	3.6	3.6
Russet Norkotah 278	TXRU20	179.7	127.5	39.3	60.7	27.4	0.0	38.4	13.8	3.9	3.9
COTX13029-2Ru/Y	TXRU20	177.8	97.6	48.5	49.1	0.0	0.0	77.6	2.7	3.7	3.9
OR12133-10	WR20	168.5	73.8	43.4	30.3	0.0	0.0	88.3	6.5	3.6	3.6
Clearwater Russet	WR20	161.6	24.2	24.2	0.0	0.0	0.0	129.4	8.0	3.7	3.6
ATX13018-2Ru	TXRU20	158.3	77.2	44.1	33.1	0.0	0.0	77.1	4.0	3.7	3.6
A07769-4	WR20	149.0	76.3	40.4	35.8	0.0	0.0	71.3	1.4	3.6	3.6
COTX15271-1Ru	TXRU20	148.3	64.2	39.1	25.1	0.0	0.0	70.1	14.1	3.7	3.7
A10021-5TE	WR20	140.6	73.2	35.0	29.0	9.1	0.0	46.2	21.2	3.5	3.5
Dal17001RuRua	TXRU20	138.5	24.5	20.7	3.8	0.0	0.0	108.0	6.0	3.6	3.4
AOTX05043-1Ru	TXRU20	114.7	45.7	28.3	17.4	0.0	0.0	68.9	0.0	3.8	3.6
COTX10080-2Ru	TXRU20	113.5	50.9	26.7	24.2	0.0	0.0	60.5	2.1	3.6	3.3
CO10091-1RU	WR20	85.9	13.6	10.9	2.7	0.0	0.0	69.4	2.9	3.6	3.0
Average		200.3	104.0	44.2	44.0	15.8	0.0	85.1	11.2	3.8	3.8
L.S.D. (.05)		64.6	41.5	ns	27.1	20.0	0.0	33.8	15.7		0.2

¹ 1=very poor to 5= excellent

Springlake
Table 4b.

Percent by weight of U.S. No. 1, over 18 oz, under 4 oz, culls/No.2 potatoes, specific gravity, tuber type and skin type of 38 entries in the Western and Southwest Regional Russet and Advanced Texas selections Trial grown near Springlake, Texas-2020.

Clone name/ID	Trial	Percent By Weight of U.S. No. 1				Percent By Weight			Specific Gravity	% Solids	Tuber Type	Skin Type
		Total Yield	4-6 oz	6-10 oz	10-18 oz	Over 18 oz.	Under 4 oz.	Culls/ No. 2				
TX13590-9Ru	TXRU20	68.6	17.3	28.9	22.4	0.0	30.5	0.9	1.069	14.7	Oblong	Russet
COTX09022-3Rure/Y	TXRU20	52.4	28.6	23.1	0.7	0.0	46.0	1.6	1.072	15.4	Round	Russet
AOR08540-1	WR20	51.8	24.2	23.3	4.3	0.0	41.0	7.2	1.071	15.2	Oblong	Russet
Vanguard Russet	ADVRU20	69.1	22.8	29.6	16.7	0.0	27.7	3.2	1.062	13.7	Oval	Russet
Russet Norkotah 296	TXRU20	69.7	20.4	25.3	24.0	0.0	25.2	5.1	1.068	14.7	Oblong	Russet
Sierra Gold	TXRU20	74.9	24.9	41.4	8.5	0.0	24.9	0.2	1.074	15.8	Round	Russet
CO11009-3RU	WR20	55.6	21.0	32.6	1.9	0.0	42.3	2.1	1.077	16.2	Oblong	Russet
Shepody	WR20	48.1	14.2	25.9	8.0	0.0	33.7	18.2	1.068	14.7	Oval	White
TXA549-1Ru	TXRU20	48.5	25.4	22.1	1.0	0.0	46.1	5.4	1.065	14.1	Oval	Russet
Russet Norkotah	WR20	55.5	29.9	18.7	7.0	0.0	38.8	5.7	1.069	14.8	Long	Russet
COTX08063-2Ru	SW20	45.8	26.3	19.5	0.0	0.0	51.9	2.3	1.088	18.2	Oblong	Russet
Russet Burbank	WR20	26.9	19.2	7.7	0.0	0.0	30.8	42.3	1.068	14.7	Long	Russet
ATTX10007-1Ru	TXRU20	81.3	16.6	17.3	47.4	0.0	17.3	1.4	1.072	15.4	Oblong	Russet
Reveille Russet	ADVRU20	58.4	28.8	23.1	6.4	0.0	39.2	2.4	1.065	14.0	Oblong	Russet
Russet Norkotah 223	TXRU20	81.4	24.4	35.5	21.6	0.0	17.5	1.1	1.066	14.4	Oblong	Russet
A071012-4BF	WR20	62.3	20.7	22.4	19.1	0.0	29.9	7.9	1.077	16.2	Oval	Russet
CO10085-1RU	WR20	21.9	17.2	4.7	0.0	0.0	67.2	10.8	1.068	14.6	Oval	Russet
ATTX10378-3Ru/Y	TXRU20	33.8	28.2	5.6	0.0	0.0	64.9	1.3	1.073	15.6	Oblong	Russet
CO12378-1RU	SW20	31.4	21.3	10.1	0.0	0.0	68.0	0.6	1.069	14.9	Oval	Russet
CO10087-4RU	WR20	64.3	16.5	36.6	11.2	0.0	34.2	1.5	1.076	16.0	Oblong	Russet
AOR10204-3	WR20	52.5	15.6	28.0	9.0	0.0	37.6	9.9	1.061	13.3	Oblong	Russet
CO12152-1RU	SW20	31.8	17.0	14.8	0.0	0.0	64.0	4.1	1.085	17.8	Oblong	Russet
POR12NCK50-1	WR20	33.9	19.8	11.7	2.4	0.0	63.0	3.0	1.067	14.5	Oval	Russet
COTX08322-10Ru	TXRU20	64.9	23.0	28.3	13.6	0.0	30.5	4.6	1.066	14.2	Oblong	Russet
Stampede Russet	TXRU20	54.6	19.3	27.8	7.5	0.0	44.9	0.5	1.056	12.4	Oval	Russet
Ranger Russet	WR20	35.6	24.2	11.4	0.0	0.0	53.8	10.6	1.066	14.3	Oblong	Russet
Russet Norkotah 278	TXRU20	72.6	24.0	32.5	16.2	0.0	19.8	7.6	1.067	14.4	Oblong	Russet
COTX13029-2Ru/Y	TXRU20	55.3	27.0	28.3	0.0	0.0	43.3	1.4	1.077	16.3	Round	Russet
OR12133-10	WR20	42.7	25.2	17.5	0.0	0.0	53.3	3.9	1.062	13.5	Oblong	White
Clearwater Russet	WR20	16.7	16.7	0.0	0.0	0.0	78.1	5.2	1.068	14.7	Oblong	Russet
ATX13018-2Ru	TXRU20	49.2	29.1	20.1	0.0	0.0	48.3	2.4	1.064	13.9	Oblong	Russet
A07769-4	WR20	48.0	26.3	21.7	0.0	0.0	51.0	0.9	1.067	14.4	Oval	Russet
COTX15271-1Ru	TXRU20	44.8	26.4	18.5	0.0	0.0	45.9	9.3	1.068	14.6	Oblong	Russet
A10021-5TE	WR20	52.1	25.1	20.6	6.4	0.0	33.0	14.8	1.067	14.4	Oblong	Russet
Dal17001RuRua	TXRU20	14.5	12.5	2.0	0.0	0.0	80.9	4.7	1.072	15.3	Oblong	Russet
AOTX05043-1Ru	TXRU20	42.4	26.2	16.3	0.0	0.0	57.6	0.0	1.068	14.6	Oblong	Russet
COTX10080-2Ru	TXRU20	39.7	22.6	17.1	0.0	0.0	58.9	1.4	1.051	11.7	Oblong	Russet
CO10091-1RU	WR20	13.8	11.5	2.3	0.0	0.0	82.7	3.5	1.060	13.3	Oval	Russet
Average		50.1	22.4	20.8	6.9	0.0	44.3	5.6	1.069	14.8		
L.S.D. (.05)		13.2	ns	10.9	8.3	0.0	13.0	4.6	0.005	0.9		

Springlake
Table 5a.

Total yield, total yield of U.S. No.1, over 18 oz, under 4 oz and culls/No.2 potatoes and general rating of 27 entries in the Advanced Texas chip selection trial grown near Springlake, Texas-2020.

Clone name/ID	Trial	Total Yield cwt/a	U.S. No. 1 cwt/a			Over 18 oz cwt/a	Under 4 oz. cwt/a	Culls/ No.2 cwt/a	General Rating ¹ Grading	
			Total Yield	4-6 oz	6-10 oz					10-18 oz
ATTX07042-3W	SW20	405.5	299.0	164.6	129.6	4.8	0.0	103.0	3.5	4.5
NDTX1244-3W/Y	TXCH20	391.7	326.7	197.1	129.6	0.0	0.0	62.9	2.1	3.8
NDTX1246-5W/Y	TXCH20	385.5	286.6	188.4	98.2	0.0	0.0	94.7	4.1	4.2
AORTX09037-4W/Y	TXCH20	369.6	238.5	218.8	19.7	0.0	0.0	119.3	11.8	4.2
AORTX09037-1W/Y	SW20	358.9	222.6	164.6	58.1	0.0	0.0	136.2	0.0	3.8
ATX13134-3W/Y	TXCH20	350.9	245.8	190.8	55.0	0.0	0.0	105.1	0.0	4.0
NDTX14362AB-1W	TXCH20	315.3	252.4	119.6	123.8	9.0	0.0	56.4	6.6	4.0
NDTX12203AB-1W	TXCH20	314.9	223.7	121.0	102.7	0.0	0.0	85.7	5.5	4.2
COTX13231-4W	TXCH20	305.6	243.4	150.4	84.4	8.6	0.0	58.8	3.5	4.0
NDTX13280CB-3W	TXCH20	295.9	255.1	108.9	146.2	0.0	0.0	34.6	6.2	4.4
TX09403-15W	WR20	292.5	259.6	97.8	156.6	5.2	0.0	29.4	3.5	4.5
COTX13231-1W	TXCH20	281.8	199.5	174.6	24.9	0.0	0.0	79.9	2.4	3.8
ATTX10333-1W/Y	TXCH20	266.5	195.7	116.2	79.5	0.0	0.0	50.1	20.7	3.6
COTX13230-1W	TXCH20	238.2	185.0	142.1	42.9	0.0	0.0	39.8	13.5	3.6
NDTX1444-5W	TXCH20	236.5	194.6	104.8	84.0	5.9	0.0	30.8	11.1	3.8
NDTX1482YB-1W	TXCH20	233.4	103.4	103.4	0.0	0.0	0.0	127.6	2.4	4.0
AORTX09037-5W/Y	TXCH20	227.1	122.0	100.9	21.1	0.0	0.0	101.6	3.5	3.6
NDTX13315CB-1W	TXCH20	220.6	178.4	117.2	61.2	0.0	0.0	33.9	8.3	4.0
TX12484-3WZC	TXCH20	208.8	142.4	106.1	36.3	0.0	0.0	66.4	0.0	3.5
NDTX113030C-3W	TXCH20	195.7	144.2	83.0	61.2	0.0	0.0	46.0	5.5	3.6
NDTX12135-1W	TXCH20	193.9	133.4	85.7	47.7	0.0	0.0	52.2	8.3	3.5
COTX12235-2W	TXCH20	189.8	80.2	80.2	0.0	0.0	0.0	109.6	0.0	3.7
TX09403-21W	SW20	189.8	172.5	88.2	84.4	0.0	0.0	17.3	0.0	4.0
NDTX1432Y-2Y/Y	TXCH20	179.8	137.6	85.7	51.9	0.0	0.0	40.1	2.1	3.6
Atlantic	1.0	168.4	98.9	41.8	47.0	10.0	0.0	69.5	0.0	3.8
AORTX09033-11W	TXCH20	160.8	132.4	91.6	40.8	0.0	0.0	16.6	11.8	3.7
TX12484-2WZC	TXCH20	142.4	117.2	58.1	59.1	0.0	0.0	25.2	0.0	3.4
Average		263.7	192.3	122.3	68.4	1.6	0.0	66.4	5.0	3.9

¹ 1=very poor to 5= excellent

Springlake
Table 5b.

Percent by weight of U.S. No. 1, over 18 oz, under 4 oz, culls/No.2 potatoes, specific gravity, tuber type and skin type of 27 entries in the Advanced Texas chip selection trial grown near Springlake, Texas-2020.

Clone name/ID	Trial	Percent By Weight of U.S. No. 1				Percent By Weight			Specific Gravity	% Solids	Tuber Type	Skin Type
		Total Yield	4-6 oz	6-10 oz	10-18 oz	Over 18 oz.	Under 4 oz.	Culls/ No. 2				
ATTX07042-3W	SW20	73.7	40.6	32.0	1.2	0.0	25.4	0.9	1.070	15.0	White	Round
NDTX1244-3W/Y	TXCH20	83.4	50.3	33.1	0.0	0.0	16.1	0.5	1.075	15.9	White	Round
NDTX1246-5W/Y	TXCH20	74.3	48.9	25.5	0.0	0.0	24.6	1.1	1.070	15.1	White	Round
AORTX09037-4W/Y	TXCH20	64.5	59.2	5.3	0.0	0.0	32.3	3.2	1.076	16.1	White	Round
AORTX09037-1W/Y	SW20	62.0	45.9	16.2	0.0	0.0	38.0	0.0	1.064	13.9	White	Compressed
ATX13134-3W/Y	TXCH20	70.0	54.4	15.7	0.0	0.0	30.0	0.0	1.080	16.7	White	Round
NDTX14362AB-1W	TXCH20	80.0	37.9	39.3	2.9	0.0	17.9	2.1	1.072	15.4	White	Round
NDTX12203AB-1W	TXCH20	71.0	38.4	32.6	0.0	0.0	27.2	1.8	1.077	16.3	White	Round
COTX13231-4W	TXCH20	79.6	49.2	27.6	2.8	0.0	19.2	1.1	1.071	15.2	White	Round
NDTX13280CB-3W	TXCH20	86.2	36.8	49.4	0.0	0.0	11.7	2.1	1.068	14.6	White	Round
TX09403-15W	WR20	88.8	33.5	53.5	1.8	0.0	10.0	1.2	1.064	13.9	White	Round
COTX13231-1W	TXCH20	70.8	62.0	8.8	0.0	0.0	28.3	0.9	1.073	15.6	White	Compressed
ATTX10333-1W/Y	TXCH20	73.4	43.6	29.8	0.0	0.0	18.8	7.8	1.091	18.8	White	Round
COTX13230-1W	TXCH20	77.6	59.7	18.0	0.0	0.0	16.7	5.7	1.073	15.5	White	Round
NDTX1444-5W	TXCH20	82.3	44.3	35.5	2.5	0.0	13.0	4.7	1.073	15.5	White	Round
NDTX1482YB-1W	TXCH20	44.3	44.3	0.0	0.0	0.0	54.7	1.0	1.079	16.6	White	Round
AORTX09037-5W/Y	TXCH20	53.7	44.4	9.3	0.0	0.0	44.7	1.5	1.067	14.5	White	Round
NDTX13315CB-1W	TXCH20	80.9	53.1	27.7	0.0	0.0	15.4	3.8	1.065	14.1	White	Round
TX12484-3WZC	TXCH20	68.2	50.8	17.4	0.0	0.0	31.8	0.0	1.065	14.2	White	Round
NDTX113030C-3W	TXCH20	73.7	42.4	31.3	0.0	0.0	23.5	2.8	1.078	16.5	White	Round
NDTX12135-1W	TXCH20	68.8	44.2	24.6	0.0	0.0	26.9	4.3	1.068	14.6	White	Round
COTX12235-2W	TXCH20	42.3	42.3	0.0	0.0	0.0	57.7	0.0	1.077	16.2	White	Compressed
TX09403-21W	SW20	90.9	46.4	44.4	0.0	0.0	9.1	0.0	1.065	14.0	White	Round
NDTX1432Y-2Y/Y	TXCH20	76.5	47.7	28.8	0.0	0.0	22.3	1.2	1.063	13.8	White	Round
Atlantic	1.0	58.7	24.8	27.9	6.0	0.0	41.3	0.0	1.068	14.6	White	Round
AORTX09033-11W	TXCH20	82.4	57.0	25.4	0.0	0.0	10.3	7.3	1.075	16.0	White	Round
TX12484-2WZC	TXCH20	82.3	40.8	41.5	0.0	0.0	17.7	0.0	1.064	14.0	White	Round
Average		72.6	46.0	26.0	0.6	0.0	25.4	2.0	1.072	15.3		

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Table 5f.

Specific gravity, percent solids, chip color rating, good chip, bad chip, percentage vascular discoloration, bruise, stem end discoloration, apical bruise notes, percentage of Zebra Defect at chipping, and percentage Zebra Defect at grading of 27 entries in the Advanced Texas chip selection trial grown near Springlake, Texas-2020.

Clone name/ID	Trial			Chip	Chip	% Good	% Bad	% Vas	% Bruise	%Stem	%Apical	Notes ³
		Gravity	% Solids	Rating ¹	Color ²	Chip	Chip				Bruise	
ATTX07042-3W	SW20	1.070	15.0	3	3	40	60	20	0	40	0	
NDTX1244-3W/Y	TXCH20	1.075	15.9	4	3	10	90	50	0	40	0	
NDTX1246-5W/Y	TXCH20	1.070	15.1	2	3	60	40	0	10	30	0	NICE
AORTX09037-4W/Y	TXCH20	1.076	16.1	4	1	30	70	60	0	0	0	
AORTX09037-1W/Y	SW20	1.064	13.9	2	3	56	44	0	0	44	0	
ATX13134-3W/Y	TXCH20	1.080	16.7	3	3	40	60	20	0	40	0	
NDTX14362AB-1W	TXCH20	1.072	15.4	2	1	80	20	0	0	20	0	NICE
NDTX12203AB-1W	TXCH20	1.077	16.3	1	1	100	0	0	0	0	0	BOT
COTX13231-4W	TXCH20	1.071	15.2	1	1	89	11	0	11	0	0	
NDTX13280CB-3W	TXCH20	1.068	14.6	2	2	33	67	0	0	67	0	
TX09403-15W	WR20	1.064	13.9	1	1	100	0	0	0	0	0	BOT
COTX13231-1W	TXCH20	1.073	15.6	2	1	80	20	20	0	0	0	NICE
ATTX10333-1W/Y	TXCH20	1.091	18.8	3	3	70	30	30	0	0	0	
COTX13230-1W	TXCH20	1.073	15.5	2	1	40	60	20	0	40	0	
NDTX1444-5W	TXCH20	1.073	15.5	2	1	67	33	0	0	11	0	
NDTX1482YB-1W	TXCH20	1.079	16.6	1	1	100	0	0	0	0	0	BOT
AORTX09037-5W/Y	TXCH20	1.067	14.5	1	2	80	20	0	0	20	0	
NDTX13315CB-1W	TXCH20	1.065	14.1	3	2	10	90	60	20	10	0	
TX12484-3WZC	TXCH20	1.065	14.2	2	1	40	60	0	10	50	0	
NDTX113030C-3W	TXCH20	1.078	16.5	2	1	60	40	0	0	40	0	
NDTX12135-1W	TXCH20	1.068	14.6	2	2	25	75	50	13	13	0	
COTX12235-2W	TXCH20	1.077	16.2	1	1	90	10	0	10	0	0	NICE
TX09403-21W	SW20	1.065	14.0	1	1	90	10	0	0	10	0	NICE
NDTX1432Y-2Y/Y	TXCH20	1.063	13.8	4	3	10	90	70	0	10	0	
Atlantic	1.0	1.068	14.6	2	1	67	33	17	17	0	0	
AORTX09033-11W	TXCH20	1.075	16.0	1	1	90	10	10	0	0	0	NICE
TX12484-2WZC	TXCH20	1.064	14.0	2	1	70	30	0	0	30	0	
Average		1.072	15.3	2	2	60	40	16	3	19	0	

One .05" slice per tuber, at least 10 tubers per rep, three reps, 1 min 25 sec, 365°F corn oil.

¹1=poor, 5=excellent

²1=light, 3+=very dark

³BOT=Best Of Trial, Vas=vascular heat necrosis, Dark=high sugars, BSB=blackspot bruise, HH=hollow heart, IBS=internal brownspot, SE=sugar ends, PB= pressure bruise, GH=greenheads, Z=zebra

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