

*2021 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*



# **2021 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

**Texas A&M University Potato Breeding Program Team:**

Isabel Vales - Program Director

Jeff Koym and Douglas Scheuring - Senior Research Associates

Mythreyi Jamadagni and Stephany Toinga-Villafuerte - Research Associates

Mike Jenson - Technical Assistant Lubbock

Jeewan Pandey, Sanjeev Gautam, and Ao Jiao - Graduate Students

Nina Rau, Ganga Bhatt, Hanna Mitchell, and Brianna Cheek - Student Workers



**NAVIGATION INSTRUCTIONS:** 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 go back to the table of contents (or to obtain additional information about potato clones)

## **Table of Contents**

<b>List of Clones .....</b>	<b>4</b>
<b>Pictures of Clones.....</b>	<b>36</b>
<b>Funding .....</b>	<b>208</b>
<b>Personnel.....</b>	<b>209</b>
<b>List of Licensees .....</b>	<b>210</b>
<b>Russet Norkotah Strains.....</b>	<b>210</b>
<b>Reveille Russet.....</b>	<b>211</b>
<b>Vanguard Russet.....</b>	<b>212</b>
<b>Springlake Russets Table 1 .....</b>	<b>213</b>
<b>Springlake Reds/ Specialty Table 2 .....</b>	<b>215</b>
<b>Springlake Chips Table 3 .....</b>	<b>219</b>

## 2021 Field Day Trial in Entry Order

[Chieftain \(21SPRFD001\)](#)-Round Red. Parentage (Ia1027La1027-18 x La1354). Cross made and selected at Iowa State University.

Uses: fresh

Strength: large, high tuber number, BOT, nice skin color, uniform shape, uniform size

Weakness: IBS, a little flat

[Red LaSoda \(21SPRFD002\)](#)-Oblong Red. Parentage (Triumph x Katahdin). Cross 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++, high tuber number

Weakness: deep eyes+++, non-uniform shape, many culls (knobs), large, some large, rot, deep eyes, attached stolons, a little flat, FC=1.0, FC=1.

Cutting Notes: Rhizoctonia

[Modoc \(21SPRFD003\)](#)-Round Red. Parentage (ND1216-2R x ND2225-1R). Cross made and selected in North Dakota. Early maturity.

Uses: fresh

Strength: intense skin

Weakness: few eyes, very few tubers++

[A08122-12Rsto \(21SPRFD004\)](#)-Oval Red. Parentage (A02267-5PY x COA01406-1R). Cross made and selected in Idaho. Medium maturity. Medium vine size. Dark red-purple flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes:

[NDA8512C-1R \(21SPRFD005\)](#)-Round Red. Parentage (ND6694C-1R x ND5256-7R). Cross made in North Dakota and selected in Aberdeen. Early maturity. Small vine size. Red-purple flower color.

Uses: fresh

Strength:

Weakness:

[Yukon Gold \(21SPRFD006\)](#)-Oblong White/Yellow. Parentage (W5279-4 x Norgleam). Cross 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, medium size, nice, impressive number of tubers, large tubers+, nice, high tuber number+

Weakness: FC=2.8, FC=2.

Cutting Notes: large tubers

[A08120-4Y \(21SPRFD007\)](#)-Round Yellow/Yellow. Parentage (A02267-2PY x POR02PG26-5). Cross made and selected in Idaho. Medium maturity. Medium vine size Dark red-purple flower color

Uses: Fresh

Strength:

Weakness:

Cutting Notes:

[AORTX09037-1W/Y \(21SPRFD008\)](#)-Round White. Parentage (Fasan x Ivory Crisp). Cross made in Idaho, tuberling produced in Oregon, and selected in Texas.

Uses: chip

Strength: high tuber number uniform size, uniform shape,

Weakness: road map dislike skin

Chip Notes: FC=2.6, CR=3.1, 32% Good chip

Cutting Notes:

[CO11250-1W/Y \(21SPRFD009\)](#)-Round White. Parentage (CO99045-1W/Y x POR02PG26-5). Cross made and selected in Colorado. Medium-late maturity. Large vine size.

Uses: fresh

Strength: medium size, nice yellow flesh

Weakness: heat sprouts, skin road mapping, netted skin pink eyes, buff skin

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

[CO11266-1W/Y \(21SPRFD010\)](#)-White Parentage (CO03060-2W/Y x A99433-5Y). Cross made and selected in Colorado. Late maturity. Medium vine size.

Uses: fresh

Strength: high tuber number

Weakness: some skin netting, light sprouts, some pointed, dislike skin, heat sprouts small, buff skin, pink eyes

Cutting Notes: pink eyes, intense yellow flesh

[COTX10118-4Wpe/Y \(21SPRFD011\)](#)- Round White Purple Eye Parentage (07S021 x AC03534-2R/Y). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: very high tuber number, nice, BOT, PVP, amethyst slashed skin, nice, intense yellow flesh, yellow market, very high tuber yield, uniform size and shape, relatively small unique skin color combination, purple eyes, and shadow

Weakness:

Cutting Notes: very intense yellow flesh

[Paroli \(21SPRFD012\)](#)-Round White. Parentage (?). Variety produced by Norika. Early maturity. Medium vine size. White flower color

Uses: fresh

Strength: BOT for yellow class, uniform size and shape intense yellow flesh, high tuber number, buttery, soft cut, impressive high yield,

Weakness: enlarged lenticels, dislike skin non-uniform shape (small are oval, large are oblong) and size, noticeable stolon attachment, especially in larger tubers

[Rosemara \(21SPRFD013\)](#)-Red. Parentage (?). Variety produced by Norika.

Uses: fresh

Strength:

Weakness:

[Soraya \(21SPRFD014\)](#)-White. Parentage (Marabel x 1.307 120-93) Cross made by Norika Nordring Kartoffelzucht und Vermehrungs GmbH.

Uses: fresh

Strength:

Weakness:

[ATX11684f-2W/Y \(21SPRFD015\)](#)-White/Yellow. Parentage (Nicola x POR02PG26-5). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[Banana \(21SPRFD016\)](#)-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: many knobs, few tubers, chain tubers+, extreme heat sprouts,+ very deformed, light sprouts

Cutting Notes: nice seed

[COTX08365f-3P/P \(21SPRFD017\)](#)-Purple/Purple. Parentage (POR01PG16-1 x CO00405-1R)  
Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: parent for fingerlings, purple marble BOT

Weakness: it got quite big, it should be grown for a shorter period of time, and closer spacing pigmentation spots around the edges purple flesh with white sections heat sprouts, chain tubers

[COTX15182f-2Ru \(21SPRFD018\)](#)-Russet. Parentage (CO09278-2RU x A06021-1T). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[COTX17016f-2P/P \(21SPRFD019\)](#)-Long Purple. Parentage (CO08029-1RF/R x CO12201-3PF/P). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[PORTX03PG25-2R/R \(21SPRFD020\)](#)-Round Oblong Red/Red. Parentage (PA97B35-1 x PA99P7-2). Cross made in Prosser, WA, tuberling grown in Oregon and selected in Texas.

Uses:

Uses: fresh.

Strength: unique shape, oblong to fingerling, BOT, hard to cut

Weakness:

Cutting Notes:

[TX17734f-1Y/Y \(21SPRFD021\)](#)-Oblong Yellow. Parentage (NDTX05977s-1W x NDA081451CB-1CY). Cross made and selected in Texas.

Uses: fresh

Strength: beautiful smooth skin+, very nice flesh, lemon yellow flesh, parents, nice shiny skin+

Weakness:

[TX17788f-4R/R \(21SPRFD022\)](#)-Long Red/Red. Parentage (AOR07783-1 x TX12474-1P/P). Cross made and selected in Texas.

Uses: fresh

Strength: fingerling, light red flesh, nice

Weakness:



[ATX10265-4R/Y \(21SPRFD023\)](#)-Oblong Red/Yellow. Parentage (A02267-2PY X US 147-96RIY). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: high tuber number, uniform size and shape bright red skin color shiny, very intense yellow flesh, shiny, smooth skin intense flesh, nice skin-flesh combination

Weakness: a little flat+, 2/10 had internal rot, some sticky stolons

Cutting Notes: nice skin and flesh combination

[ATX88481-1P/W \(21SPRFD024\)](#)-Purple. Parentage (A92657-1R x A89655-5DY). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[ATX11549-1P/Y \(21SPRFD025\)](#)-Oval Purple/Yellow. Parentage (Huckleberry Gold x ND8555-8R). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength: high tuber number, nice, yellow flesh, BOT, nice skin flesh combination, nice skin

Weakness:

Cutting Notes: large tubers

[ATX11586-2R/Y \(21SPRFD026\)](#)-Oblong Red/Yellow. Parentage (A05173-2RY x Mila). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength: uniform size and shape, shiny+, high tuber number nice, intense red skin, nice, smooth skin, oval

Weakness:

Cutting Notes:

[COTX16078-9PWpinto/R \(21SPRFD027\)](#)-Round Purple pinto/Yellow. Parentage (CO10032-8W x Wischip). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: nice shape, unique pattern, parent, pink-red flesh even under white skin, pinto white red skin

Weakness: attached dry stolons

[COTX17081f-4P/P \(21SPRFD028\)](#)-Long Purple. Parentage (CO12125-3PF/P x CO12201-3PF/P). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[COTX17115f-3R/R \(21SPRFD029\)](#)-Long Red. Parentage (POR06PG24-2 x CO08029-1RF/R). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[NDTX059759-3R/Y Pinto \(21SPRFD030\)](#)-Oblong Red Pinto/Yellow. Parentage (ATND 99331-2 Pinto x ND 7834-2P). Cross made in North Dakota and selected in Texas.

Strength: smooth skin, nice not as flat as I remember  
Weakness: heat sprouts, small, smaller than usual, a little flat, some pink in yellow flesh pink streaks in the flesh 10%,  
Cutting Notes: pink streaks in the flesh, 50 %

[NDTX14156-2RWpinto/Y \(21SPRFD031\)](#)-Oval Red pinto/Yellow. Parentage (ATND99331-2PintoY x ND028742b-12PEY). Cross made in North Dakota and selected in Texas.

Uses: fresh  
Strength: river stone, most are pinto, some are completely red, two groups: pinto and all red, most are pinto, selected only pinto  
Weakness:

[NDTX14156A-3RWpinto/Y \(21SPRFD032\)](#)-Red pinto. Parentage (ATND99331-2PintoY x ND028742b-12PEY). Cross made in North Dakota and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

[NDTX14156B-3RWpinto/Y \(21SPRFD033\)](#)-Red pinto. Parentage (ATND99331-2PintoY x ND028742b-12PEY). Cross made in North Dakota and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

[NDTX14156C-3R/Y \(21SPRFD034\)](#)-Red. Parentage (ATND99331-2PintoY x ND028742b-12PEY). Cross made in North Dakota and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

[Purple Majesty \(21SPRFD035\)](#)- 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: BOT, high tuber number, very intense skin color, purple marble  
Weakness: road mapping, dirty look, netted skin some skin netting, silver scurf?

[Sierra Rose \(21SPRFD036\)](#)-Oblong Red/Yellow. Parentage (A90601-2RDY x Mazama). Cross made in Idaho, tuberling produced in Texas, and selected in Texas. Early maturity. Medium vine size. Purple flower color.

Uses: fresh

Strength: BOT++, parent very nice

Weakness:

[TX14646-1RWpinto/Y \(21SPRFD037\)](#)-Oval White Red/Yellow Pinto. Parentage (NDTX059759-3Pinto x BTX2332-1R). Cross made and selected in Texas.

Uses: fresh

Strength: nice skin pattern healthy-looking Tissue culture as parent only

Weakness: yellow pinkish tint flesh, ugly flesh: yellow and pink combined

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

[TX17742-21R/R \(21SPRFD038\)](#)-Oval Red/Red. Parentage (ATTX98500-3Pu/Y x NDTX059761-1R/R). Cross made and selected in Texas.

Uses: fresh

Strength: intense red flesh high tuber number

Weakness: teardrops, white and red flesh, white and pink flesh

[TX17742-23P\P \(21SPRFD039\)](#)-Oblong Purple/Purple. Parentage (ATTX98500-3Pu/Y x NDTX059761-1R/R). Cross made and selected in Texas.

Uses: fresh

Strength: light purple and white flesh, nice, nice, shiny

Weakness:

[TX17742-5YPpinto/YP \(21SPRFD040\)](#)-Yellow Purple pinto. Parentage (ATTX98500-3Pu/Y x NDTX059761-1R/R). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness:

[TX17750f-8R/R \(21SPRFD041\)](#)-Long Red/Red. Parentage (AOTX93483-1R x NDTX059761-1R/R). Cross made and selected in Texas.

Uses: fresh

Strength: very light pink flesh, parent, oblong to long, looks like a sweet potato, white and red flesh

Weakness:

[TX17755-2Psplash \(21SPRFD042\)](#)-Oblong Purple splash. Parentage (ATTX98500-3Pu/Y x NDTX05977s-1W). Cross made and selected in Texas.

Uses: fresh

Strength: amethyst splashed, very nice, shiny, BOT, high tuber number, very unique pattern FOR ANGEL

Weakness: a little flat,

[TX17805-10PYpinto/Y \(21SPRFD043\)](#)- Round Purple pinto/Yellow. Parentage (NDTX059759-3RY/Y x TX12474-1P/P). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness: only parent, unique skin and flesh pattern, the flesh is yellow and red

[TX17805-12R/R \(21SPRFD044\)](#)-Round Red/Red. Parentage (NDTX059759-3RY/Y x TX12474-1P/P). Cross made and selected in Texas.

Uses: fresh

Strength: unique skin color, dark red almost maroon, parent, red marble flesh, flesh looks like red marbled meat

Weakness:

[TX17805-1RWpinto/R \(21SPRFD045\)](#)-Round Red pinto/Red. Parentage (NDTX059759-3RY/Y x TX12474-1P/P). Cross made and selected in Texas.

Uses: fresh

Strength: yellow and red flesh, interesting flesh pattern, very dark red, fun flesh pattern, parent

Weakness: a little pointed, buff skin

[TX17805-8R/R \(21SPRFD046\)](#)-Oval Red/Red. Parentage (NDTX059759-3RY/Y x TX12474-1P/P). Cross made and selected in Texas.

Uses: fresh

Strength: very dark skin, almost maroon, pink flesh, nice marble red pattern, very high tuber number, uniform size, and shape,

Weakness:

[TX18212-2R/Y \(21SPRFD047\)](#)-Red. Parentage (NDTX05977s-1W x Gala). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness:

[TX18208-2R/Y \(21SPRFD048\)](#)-Red. Parentage (ATTX98444s-16R/Y x NDTX05977s-1W). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness:

[BTX2332-1R \(21SPRFD049\)](#)-Oblong Red. Parentage (B1523-4 x Super Red Norland). Cross made in Beltsville, MD and selected in Texas. Medium maturity. Large vine size. Lavender flower color

Uses: fresh

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

Weakness: feathering internal??

Cutting Notes: some feathering, red streaks in flesh

[Unica \(21SPRFD050\)](#)-Oblong Red. Parentage (387521.3 x Aphrodite)

Uses: fresh

Strength:

Weakness: many knobs, sprouting, very but the shape, pointed, misshapen, rose skin, very light red skin, lots of knobs, bad shape,

[COTX15083-1R \(21SPRFD051\)](#)-Round Red. Parentage (CO01218-2R x NDA050237B-1R).

Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: very round, intense skin color, snow white flesh, BOT++, very uniform size and shape, intense skin color, high tuber number, enter in TC, produce minitubers

Weakness: heat sprouts some sticky stolons

Cutting Notes:

[COTX15111-1R \(21SPRFD052\)](#)-Red. Parentage (CO05228-4R x ND8555-8R). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[NDTX071258B-1R \(21SPRFD053\)](#)-Red. Parentage (NY138 x ND 4659-5R). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength: bright red skin+, very high tuber number

Weakness: dark red eyes, deep eyes, zipper eyes, some skin color variation,

[NDTX092237C-2P/WP \(21SPRFD054\)](#)-Oblong White. Parentage (ND 049326C-2P x ND 7834-2P). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness: very large, white and purple flesh some rotten, white flesh with purple vascular wide ring noticeable lenticels grayish

Cutting Notes: white flesh with purple splashes

[NDTX12248Y-1R \(21SPRFD055\)](#)-Red. Parentage (95043.11 x Dakota Ruby). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice, medium size, nice skin color nice, shiny very round

Weakness: low tuber number

Cutting Notes:

[NDTX14156-3P/WP \(21SPRFD056\)](#)-Oval Purple. Parentage (ATND99331-2PintoY x ND028742b-12PEY). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength: River Stone, promote, white flesh with medium purple sections, surprising interior, very smooth, shiny

Weakness: very flat, while flesh and purple streaks

[NDTX050169-1R \(21SPRFD057\)](#)-Red. Parentage (ND 8555-8R x R 89063-83). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

[NDTX1753Y-1R \(21SPRFD060\)](#)-Red. Parentage (Dakota Ruby x 95043.11). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[NDTX1753Y-3R \(21SPRFD061\)](#)-Red. Parentage (Dakota Ruby x 95043.11). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[NDTX4784-7R \(21SPRFD062\)](#)-Round Red. Parentage (ND3574-5R x ND2050-1R). Cross made in North Dakota and selected in Texas. Early maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: produce good seed, promote it, very good, parent, nice skin color very nice, check historical data, check storage and dormancy,

Weakness: growth cracks, DROP

Cutting Notes: intense skin color

[TX17802-5R \(21SPRFD063\)](#)-Round Red. Parentage (COTX04213s-2R/Y x AOTX93483-1R). Cross made and selected in Texas.

Uses: fresh

Strength: uniform size and shape, medium-small, nice shape, and skin color

Weakness:

[ATTX05175s-1R/Y \(21SPRFD066\)](#)-Round Red/Yellow. Parentage (A99331-2RY X COA99261-1RY). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses:

Uses: fresh

Strength: high tuber number, small uniform size, and shape+, all small+, nice, very nice

Weakness: heat sprouts, compressed tubers

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

[ATTX98444s-16R/Y \(21SPRFD067\)](#)-Oblong Red/Yellow. Parentage (A83360-9R X T48YF). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: small+, nice+

Weakness:

Cutting Notes: very intense yellow flesh, Kelly likes

[ATX05202s-3W/Y \(21SPRFD068\)](#)-White/Yellow. Parentage (A00286-3Y x A99433-5Y). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[ATX06264s-4R/Y \(21SPRFD069\)](#)-Round Red/Yellow. Parentage (A99331-2RY x Durango Red). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength: nice skin very nice skin color, high tuber number, intense skin color

Weakness: some pointed, attached stolons borderline tuber type (size, shape, color), some skin color variation between tubers, a little flat

Cutting Notes: blue-green fungi on the skin

[COTX04050s-1P/P \(21SPRFD070\)](#)-Oblong Purple/Purple. Parentage (CO97215-2P/P x CO97306-2P/P). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: extremely intense purple flesh

Weakness: heat sprouts, skinning grey skin careful! mixed white and purple flesh 50%, DROP

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

[COTX04213s-2R/Y \(21SPRFD071\)](#)-Oblong Red/Yellow. Parentage (ATC98515-1R/Y x ND3574-5R). Cross made in Colorado and selected in Texas. Medium-early maturity. Small vine size.

Uses: fresh

Strength: nice, shiny, very smooth intense skin color, nice, high tuber number, uniform size, uniform shape, nice, smooth skin

Weakness:

Cutting Notes: intense flesh color, Kelly has dropped

[COTX16212s-2Y/Y \(21SPRFD072\)](#)-Round Yellow. Parentage (CO09128-3W/Y x CO09128-5W/Y). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

[NDTX081451CBs-1Y/Y \(21SPRFD073\)](#)-Oblong Yellow/Yellow. Parentage (Dakota Diamond x Gala) Cross made in North Dakota and selected in Texas. Late maturity. Large vine size. White flower color.

Uses: fresh

Strength: send to Jas (CA)impressive high yield++, parent, small-medium tubers BOT, shiny, smooth, tissue culture, parent, impressive high tuber number, BOT uniform size, uniform shape

Weakness: internal issues in large tubers watch out for hollow heart

Cutting Notes: nice, parent

[NDTX14342s-3R \(21SPRFD074\)](#)-Red. Parentage (ND102765-4R x ND113046-3R). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness: drop, internals

[NDTX1759s-1R/Y \(21SPRFD075\)](#)-Red. Parentage (Dakota Ruby x ND1243-2PY). Cross made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

[TX17797s-11Y/Y \(21SPRFD076\)](#)-Round Yellow/Yellow. Parentage (NDA081451CB-1CY x TX09396-1W). Cross made and selected in Texas.

Uses: fresh

Strength: very nice, round, high tuber number yellow market

Weakness:

[Tacna \(21SPRFD078\)](#) Parentage ().

Uses: fresh

Strength: it looks much better than in the past, no heat sprouts or other major issues

Weakness: knobs

[TX17763-2Y/Y \(21SPRFD079\)](#)-Oblong Yellow. Parentage (ATTX00289-4W x NDTX05977s-1W). Cross made and selected in Texas.

Uses: fresh

Strength: smooth, yellow skin, oblong, shallow eyes, shiny, yellow flesh, dark lemon-yellow flesh, send to Jas (CA) change W/Y to Y/Y

Weakness:



[TX18337-2W/Y \(21SPRFD080\)](#)-White. Parentage (Picasso x NDTX05977s-1W). Cross made and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

[Atlantic \(21SPRFD092\)](#)-Round White. Parentage (Wauseon x Lenape). Cross 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+, large tubers, nice skin,  
Weakness: attached stolons, pointed FC=1. FC=1.06  
Chip Notes: CR=1. CR=1.4 65% Good chip,  
Cutting Notes:

[Lamoka \(21SPRFD093\)](#)-Round White. Parentage (NY120 x NY115) Cross made by Dr. Walter De Jong at Cornell University in 1998; officially released by the New York Agricultural Experiment Station in 2011; named after Lamoka Lake in western New York State. Medium-late maturity. Large vine size. Purple flower color.

Uses: chip  
Strength:  
Weakness:  
Chip Notes:

[Snowden \(21SPRFD094\)](#)-Oblong White. Parentage (B5141-6 x Wischip). Cross 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, attached stolons, angular tubers FC=1.0, some attached stolons+, rough looks  
Chip Notes: CR=1.7, CR=1.3, 70% Good chip, 84% Good chip,  
Cutting Notes:

[AC11494-6W \(21SPRFD095\)](#)-Oval White. Parentage (A05158-3C x 00-3115-11). Cross made and selected in Colorado. Medium late maturity. Medium vine size. White flower color.

Uses: chip  
Strength: bright white flesh, nice,  
Weakness: deep bud end, compressed  
Chip Notes: FC=1.0, CR=3.6, 20% Good chip

[AOR12217-4 \(21SPRFD096\)](#)-White. Parentage (). Cross made in Idaho, tuberling produced in Oregon, and selected in Texas.

Uses: chip

Strength:

Weakness:

Chip Notes: FC=2.7, CR=3.8, 13% Good chip

[CO11023-2W \(21SPRFD097\)](#)-White. Parentage (AC03433-1W x NY138). Cross made and selected in Colorado. Medium maturity. Medium vine size.

Uses: chip

Strength: nice BOT

Weakness:

Chip Notes: FC=1.0, CR=4.1, 0% Good chip

Cutting Notes:

[CO11037-5W \(21SPRFD098\)](#)-Oval White. Parentage (BC0894-2W x W2133-1). Cross made and selected in Colorado. Medium maturity. Medium-large vine size.

Uses: chip

Strength:

Weakness: mixed shapes from round to oblong, not round, not a chipper

Chip Notes: FC=1.0, CR=3.7, 17% Good chip

Cutting Notes:

[CO12235-3W \(21SPRFD099\)](#)-Round White. Parentage (AC00206-2W x AC03433-1W). Cross made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses: chip

Strength:

Weakness:

Chip Notes: FC=1.2, CR=2.6, 50% Good chip

[CO12293-1W \(21SPRFD100\)](#)-Oval White. Parentage (CO02024-9W x ND7521-1). Cross made and selected in Colorado. Medium-late maturity. Large Medium-late vine size. White flower color

Uses: chip

Strength:

Weakness: bruised,

Chip Notes: FC=1.0, CR=2.7, 30% Good chip

[COOR13270-2 \(21SPRFD101\)](#) Parentage (CO02321-4W x CO02024-9W). Cross made. in Colorado. and selected in Oregon. Medium maturity. Medium-large vine size. White flower color

Uses: chip

Strength:

Weakness:

Chip Notes:

[NYOR1409-5 \(21SPRFD102\)](#)-Round Buff. Parentage (Eva x H25-4) Cross made in New York and selected in Oregon. Medium-late maturity. Medium-large vine size. White flower color.

Uses: dual  
Strength:  
Weakness:

[CO13232-5W \(21SPRFD104\)](#)- Round White. Parentage (AC00206-2W x CO02024-9W). Cross made and selected in Colorado. Medium maturity. Late vine size. White flower color

Uses: chip  
Strength:  
Weakness:

[CO13232-25W \(21SPRFD105\)](#)-Round White. Parentage (AC00206-2W x CO02024-9W). Cross made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses: chip  
Strength:  
Weakness:  
Chip Notes:

[MSW474-1 \(21SPRFD106\)](#)-Round White. Parentage (MSN210-2 x MSP516-A). Developed by Michigan State University.

Uses: chip  
Strength:  
Weakness: deep bud end++, compressed++, buff skin, prominent shoulders+  
Chip Notes: FC=1.0, CR=2.4, 30% Good chip

[MSZ242-13 \(21SPRFD107\)](#)-Round White. Parentage (MSR169-8Y x MSU383-A). Developed by Michigan State University.

Uses: chip  
Strength:  
Weakness: buff skin,:  
Chip Notes: FC=1.0, CR=3.3, 24% Good chip

[B2904-2 \(21SPRFD108\)](#)-White. Parentage(B1873-6 x Coastal chip). Developed by USDA-ARS Beltsville.

Uses: chip  
Strength: nice tuber appearance  
Weakness:  
Chip Notes: FC=1.0, CR=1.2

[NC470-3 \(21SPRFD109\)](#)-White. Parentage (Marcy x NC182-5). Developed by: NC State University

Uses: chip  
Strength:  
Weakness:  
Chip Notes:

[W12078-76 \(21SPRFD110\)](#)-Round White. Parentage(Hodag x Lelah). Clone produced by University of Wisconsin.

Uses: chip  
Strength:  
Weakness:  
Chip Notes:

[ATLANTIC PUSA \(21SPRFD111\)](#)-Round White. Parentage (Wauseon x Lenape). Cross 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+, large tubers, nice skin,  
Weakness: attached stolons, pointed FC=1. FC=1.06  
Chip Notes: CR=1. CR=1.4CR65% Good chip,  
Cutting Notes:

[SNOWDEN PUSA \(21SPRFD112\)](#)-Oblong White. Parentage (B5141-6 x Wischip). Cross 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, attached stolons, angular tubers FC=1.0, some attached stolons+, rough looks  
Chip Notes: , CR=1.7, CR=1.3, 70% Good chip, 84% Good chip,

[NY163 \(21SPRFD113\)](#)-White. Parentage (NYE50-8 x NYE48-2). Clone developed by Cornell University.

Uses: chip  
Strength:  
Weakness:  
Chip Notes:

[AORTX09037-5W/Y \(21SPRFD114\)](#)-Round White. Parentage (Fasan x Ivory Crisp). Cross made in Idaho, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength: impressive high tuber number, very good size for chippers, uniform size, uniform shape  
Weakness: DROP, non-uniform yellow flesh, washed-out yellow flesh, some bruising, yellow flesh but not light, lighter tuber ring  
Chip Notes: FC=2.5, CR=3.3, 33% Good chip  
Cutting Notes:

[ATX10333-1W/Y \(21SPRFD115\)](#)-Round White Parentage (AFA3976TPS-1 x NY139). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: chip  
Strength: medium-large  
Weakness: some knobs,  
Chip Notes: FC=3.0, CR=3.0, 55% Good chip 0  
Cutting Notes: yellow flesh

[ATX13134-3W/Y \(21SPRFD116\)](#)-Round White/Yellow. Parentage (NDA081451CB-1CY x CO02321-4W). Cross made in Idaho and selected in Texas. Medium-late maturity.

Uses: chip  
Strength: yellow flesh, very high tuber number, uniform size, uniform shape  
Weakness: various sizes  
Chip Notes: FC=3.0, CR=2.3, 45% Good chip  
Cutting Notes: yellow flesh

[ATX15325-3W/Y \(21SPRFD117\)](#)-White. Parentage (Elkton (B2192-106) x NDA081453CAB-2C). Cross made in Idaho and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Chip Notes:

[COTX12235-2W \(21SPRFD118\)](#)-Round White. Parentage (AC00206-2W x AC03433-1W). Cross made in Colorado and selected in Texas.

Uses: chip  
Strength: uniform size, uniform shape  
Weakness: bruising, all small, some pink tint on stem end, golf balls  
Chip Notes: FC=1.0, CR=1.9, 67% Good chip  
Cutting Notes:

[COTX16013-5W \(21SPRFD119\)](#)-Round White. Parentage (AC00206-2W x AC03433-1W). Cross made in Colorado and selected in Texas.

Uses: chip  
Strength: very nice  
Weakness: some compressed  
Chip Notes: FC=1.0, CR=3.0, 22% Good chip

[COTX16054-1W \(21SPRFD120\)](#)-Round Buff. Parentage (CO05068-1RU x A02062-1TE). Cross made in Colorado and selected in Texas.

Uses: chip  
Strength:  
Weakness: , buff, not russet  
Chip Notes: FC=1.0, CR=1.7, 55% Good chip

[COTX17286-6W \(21SPRFD121\)](#)-White. Parentage (NDTX092108AB-2W x CO02321-4W).  
Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

Chip Notes: FC=1.0, CR=2.2, 25% Good chip

[COTX17288-1W \(21SPRFD122\)](#)-White. Parentage (NDTX092108AB-2W x CO11023-9W).  
Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: FC=1.0, CR=1.2, 61% Good chip

[COTX17288-3W \(21SPRFD123\)](#)-White. Parentage (NDTX092108AB-2W x CO11023-9W).  
Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: FC=1.0, CR=1.2, 77% Good chip

[COTX17288-4W \(21SPRFD124\)](#)-White. Parentage (NDTX092108AB-2W x CO11023-9W).  
Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: FC=1.0, CR=2.5, 27% Good chip

[NDTX091886-3P/P \(21SPRFD125\)](#)-Purple/ Purple. Parentage (COND 04082-8RR x ND 7521-1).  
Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: very intense purple flesh, uniform purple flesh, very dark skin, hard to cut very high tuber number

Weakness: grayish skin, flesh mix purple, and yellow heat sprouts, the skin has some netting

Chip Notes:

[NDTX113030C-3W \(21SPRFD126\)](#)-Oblong White. Parentage (Dakota Diamond x ND7212-1).  
Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: very white flesh, oval

Weakness:

Chip Notes: FC=1.0, CR=2.6, 47% Good chip

[NDTX12135-1W \(21SPRFD127\)](#)-Round White. Parentage (ND8559-20 x M3). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength:

Weakness: mixed white and yellow flesh skinning, bruised skin+,

Chip Notes: FC=1.0, CR=3.3, 26% Good chip

Cutting Notes:

[NDTX12203AB-1W \(21SPRFD128\)](#)-Round White. Parentage (ND028598c-1 x M2). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: nice shape, several sizes Ryadg based on MAS, parent, nice shape

Weakness: scab careful: mixed white and yellow flesh

Chip Notes: FC=1.0, CR=2.5, 57% Good chip

Cutting Notes: nice skin, uniform size and shape

[NDTX1244-3W/Y \(21SPRFD129\)](#)-Round White. Parentage (AND07358-1Y x ND7212-1). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: high tuber number+, nice medium-large, nice shape, nice skin

Weakness: angular, attached stolons, skinning, dark bruising

Chip Notes: FC=3.0, CR=2.3, 31% Good chip

[NDTX1246-5W/Y \(21SPRFD130\)](#)-Oval White. Parentage (AND07358-1Y x ND8304-2). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: very high tuber number, good skin, thin russet, move to yellows?

Weakness:

Chip Notes: FC=3.2, CR=1.8, 77% Good chip

Cutting Notes:

[NDTX14247CAB-1W \(21SPRFD131\)](#)-Round White. Parentage (ND028799C-3 x ND102809AB-2). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: , very nice, BOT, nice

Weakness:

Chip Notes:FC=1.0, CR=2.6, 55% Good chip

[NDTX14247CAB-2W \(21SPRFD132\)](#)-Round White. Parentage (ND028799C-3 x ND102809AB-2). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: impressive high tuber number, BOT++

Weakness:

Chip Notes:FC=1.0, CR=3.2, 23% Good chip

[NDTX14263BC-3W \(21SPRFD133\)](#)-Round White. Parentage (ND028984B-1 x ND113306C-2).  
Cross made in North Dakota and selected in Texas.

Uses: chip

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

Weakness: small+, drop, internals

Chip Notes: FC=1.0, CR=2.4, 48% Good chip

[NDTX14362AB-1W \(21SPRFD134\)](#)-Round White. Parentage (ND102809AB-2 x ND028984B-1). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: very nice+, very round, BOT

Weakness:

Chip Notes: FC=1.0, CR=1.5, 80% Good chip

Cutting Notes:

[NDTX1482YB-1W \(21SPRFD135\)](#)-Round White. Parentage (Eva x Missaukee). Cross made in North Dakota and selected in Texas.

Uses: chip

Strength: BOT, small, golf balls, uniform size and shape, high tuber number, nice it could be a small, uniform size, smooth skin, SMALL?,

Weakness:

Chip Notes: FC=1.0, CR=2.3, 55% Good chip

Cutting Notes:

[TX12484-2WZC \(21SPRFD136\)](#)-Round White. Parentage (TX08402 x NDTX059828-2W).  
Cross made and selected in Texas.

Uses: chip

Strength:

Weakness: enlarged lenticels, pinkish

Chip Notes: FC=1.0, CR=3.7, 3% Good chip

Cutting Notes:

[TX12484-3WZC \(21SPRFD137\)](#)-Oblong White. Parentage (TX08402 x NDTX059828-2W).  
Cross made and selected in Texas.

Uses: chip

Strength: very nice, confirm ZC tolerance, consider releasing as germplasm, produce clean seed, send to Colorado

Weakness: enlarged lenticels

Chip Notes: FC=1.0, CR=2.1, 40% Good chip

Cutting Notes: long sprouts



[TX17846-1W \(21SPRFD138\)](#)-White. Parentage (CO07070-10W x NDTX092108AB-2W). Cross made and selected in Texas.

Uses: chip

Strength: BOT+, very uniform size, and shape, smooth skin, very nice, high tuber number, tissue culture, advance, few eyes, impressive, beautiful skin,

Weakness:

Chip Notes: FC=1.0, CR=2.0, 64% Good chip

[TX18042-1Ru \(21SPRFD139\)](#)-Russet. Parentage (NDTX1287B-1W x NDTX1287B-1W). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Chip Notes: FC=1.0, CR=1.4, 60% Good chip

[TX18170-4W \(21SPRFD142\)](#)-White. Parentage (Monserrate x TX12484-2W). Cross made and selected in Texas.

Uses: chip

Strength:

Weakness:

Chip Notes: FC=1.0, CR=2.5, 30% Good chip

[Clearwater Russet \(21SPRFD144\)](#)-Long Russet. Parentage (Bannock x A89152-4). Cross 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: nice skin, nice, high tuber number nice shape, uniform size, uniform shape

Weakness: small heat sprouts

[Ranger Russet \(21SPRFD145\)](#)-Long Russet. Parentage (Butte x A6595-3). Cross 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:

[Russet Burbank \(21SPRFD146\)](#)-Long Russet. Luther Burbank reported the origin of Russet Burbank in 1902 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 2120. Late maturity. Large vine size. White flower color.

Uses: fresh

Strength: high tuber number, good number medium russet skin

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

Cutting Notes:

[Russet Norkotah \(21SPRFD147\)](#)-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Russet Norkotah cross made and selected in North Dakota. Early maturity. Medium vine size. Early-medium maturity. Medium vine size. Corolla is white, and anthers are yellow-orange.

Uses: fresh

Strength: nice, BOT+ nice shape, good skin

Weakness:

Cutting Notes:

[Shepody \(21SPRFD148\)](#)-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++, smooth skin, light skin++, large, smooth skin++

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

Cutting Notes:

[AOR08540-1 \(21SPRFD149\)](#)-Oblong Russet. Parentage (A02782-2 x PA01N22-5). Cross made in Idaho, tuberling produced and selected in Oregon. Medium maturity. Medium-large vine size. White flower color

Uses: fresh

Strength: nice shape, medium size, uniform size, uniform shape high tuber number+, long

Weakness: pointed skinny, many

[AOR10204-3 \(21SPRFD150\)](#)-Long Russet. Parentage (COA05110-3 x A05066-9). Cross made in Idaho, tuberling produced and selected in Oregon. Early maturity. Medium vine size. Lavender-Purple flower color

Uses: fresh

Strength: , nice skin and shape+, light eyes long, pretty eyes

Weakness: knobs, heat sprouts, pointed++

[CO10085-1RU \(21SPRFD151\)](#)-Parentage (CO03364-5RU x Silverton Russet). Cross made and selected in Colorado. Medium-late maturity. Medium vine size.

Uses: fresh

Strength: nice skin

Weakness: sprouts, short few tubers, heat sprouts++ many smalls, non-uniform size chain tubers

Cutting Notes:

[CO11009-3RU \(21SPRFD152\)](#)-Russet. Parentage (Fortress Russet x AC96052-1RU). Cross made and selected in Colorado. Medium maturity. Large vine size.

Uses: process

Strength: nice russet skin long, nice size, good skin+, uniform shape, uniform size, nice shape nice, high tuber number

Weakness: skinny thin, some pointed+, soft stolon ends

Cutting Notes:

[CO12378-1RU \(21SPRFD153\)](#)-Oblong Russet. Parentage (CO06035-3x AO02183-2). Cross made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses:

Uses: dual

Strength: nice size and shape

Weakness: small, skin stitches, heavy skin, short, heat sprouts, many growth cracks, herbicide damage?

[COA11013-2 \(21SPRFD154\)](#)-Long Russet. Parentage (AC99375-1x CO03308-3RU) Cross made in Colorado and selected in Oregon. Medium-Late maturity. Small vine size. White flower color

Uses: dual

Strength:

Weakness:

[OR12133-10 \(21SPRFD155\)](#)-Oblong-long Russet. Parentage (A98345-10 x Silverton Russet) Cross made and selected in Oregon. Medium-early maturity. Large vine size. White flower color.

Uses: dual

Strength: high tuber number, nice

Weakness: light skin, small pointed, not uniform skin, not russet skin, skinny

Cutting Notes:

[POR12NCK50-1 \(21SPRFD156\)](#)-Oblong Russet. Parentage (PA99N82-4 x Western Russet). Cross 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+

[TX13590-9Ru \(21SPRFD157\)](#)-Oblong Russet. Parentage (ND9687-3Ru x ND9852-1Ru). Cross made and selected in Texas.

Uses: fresh

Strength: blocky+, high tuber number, nice, very nice size and shape parent, TX13590-9Ru has darker skin and larger tubers than TXA549-1Ru, BOT

Weakness: hollow heart even in relatively small tubers +,

Cutting Notes: hollow heart small

[AC12080-4RU \(21SPRFD158\)](#)-Long Russet. Parentage (A05084-1 x ND028673B-2Russ). Cross made and selected in Colorado. Early maturity. Medium-small vine size. White flower color.

Uses: dual

Strength:

Weakness:

[AC12090-3RU \(21SPRFD159\)](#)-Oblong Russet. Parentage (A05214-3LB x A06021-1T). Cross made and selected in Colorado. Medium maturity. Small vine size. White flower color.

Uses: dual

Strength:

Weakness:

[CO13003-1RU \(21SPRFD160\)](#)-Oblong Russet. Parentage (Fortress Russet x AC96052-1RU). Cross made and selected in Colorado. Medium maturity. Medium vine size. White flower color

Uses: dual

Strength:

Weakness:

[COTX08063-2Ru \(21SPRFD161\)](#)-Oblong Russet. Parentage (A93157-6LS x A99073-1). Cross made in Colorado and selected in Texas. Late maturity. Medium vine size. White flower color.

Uses: fresh

Strength: high tuber number, very nice shape, use as parent, high gravity, PVY resistant?

Weakness: skinny bruised skin

Cutting Notes:

[ATX10007-1Ru \(21SPRFD162\)](#)-Long Russet. Parentage (A02060-3TE x A05013-5TE). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: BOT, enter in TC, parent, light skin, good shape, large, very nice shape, parent for smooth skin long

Weakness:

Cutting Notes:

[ATX10378-3Ru/Y \(21SPRFD163\)](#)-Oblong Russet/Yellow. Parentage (Granola x CO00412-5W/Y). Cross made in Idaho, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: nice yellow flesh+, golden russet skin, nice, parent+, yellow flesh, good shape, light russet

Weakness: road map skin, bad skin, DROP

Cutting Notes: dislike shape

[ATX08323-1Ru \(21SPRFD164\)](#)-Russet. Parentage (A02516-102LB x A00614-6). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[ATX13287-1Ru \(21SPRFD165\)](#)-Russet. Parentage (A07774-2VR x CO99053-3Ru). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[ATX15097-1Ru \(21SPRFD166\)](#)-Russet. Parentage (Castle Russet x A98345-1). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[ATX15120-1Ru \(21SPRFD167\)](#)-Russet. Parentage (Dakota Russet x A06084-1TE). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[AOTX98202-1Ru \(21SPRFD168\)](#)-Russet. Parentage (A9201-6 x A9014-2). Cross made in Idaho, tuberling produced in Oregon, and selected in Texas.

Uses: fresh

Strength:

Weakness:

[ATX17051-2Ru \(21SPRFD169\)](#)-Russet. Parentage (A07781-10LBsto x A06084-1TE). Cross made in Idaho and selected in Texas.

Uses: fresh

Strength:

Weakness:

[COTX08322-10Ru \(21SPRFD170\)](#)-Oblong Russet. Parentage (Blazer Russet x AC96052-1RU). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: BOT+, nice, many tubers, parent

Weakness: it had high virus load in Colorado, heat sprouts bruises dark

Cutting Notes:

[COTX09022-3RuRE/Y \(21SPRFD171\)](#)-Oblong Red Eye Russet/Yellow. Parentage (A00286-3Y x CO99100-1RU) Cross made in Colorado and selected in Texas. Medium early. Large vine size. White flower color.

Uses: fresh

Strength: uniform size+, nice, unique pattern, pink eyes nice, high tuber number+, BOT

Weakness:

Cutting Notes: sprouting, intense yellow flesh

[COTX13029-2Ru/Y \(21SPRFD173\)](#)-Round Russet/Yellow. Parentage (AC06358-2W/Y x CO07039-3RU/Y). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: keep an eye on this one, intense yellow flesh, round, Yellow Rose class? it does not need turmeric, tough, round, heavy russet, parent for yellow russets, produce minitubers, Geode very round, high tuber number, heavy russet, Rocky B

Weakness:

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

[COTX15271-1Ru \(21SPRFD174\)](#)-Oblong Russet. Parentage (A03921-2 x Mercury Russet). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength: impressive, high tuber number+, very nice shape, nice russet, BOT+, nice, parent

Weakness:

Cutting Notes: nice size and shape, KEEP

[COTX16005-1Ru \(21SPRFD175\)](#)-Oblong Russet. Parentage (A03921-2 x Classic Russet). Cross made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

[COTX08121-1Ru \(21SPRFD176\)](#)-Russet. Parentage (AC96052-1RU x Blazer Russet). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[COTX17086-2Ru \(21SPRFD177\)](#)-Russet. Parentage (CO12152-2RU x CO11377-1RU). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[COTX10080-2Ru \(21SPRFD178\)](#)-Long Russet. Parentage (CO03364-5RU x CO98067-7RU). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength: very nice skin+, parent, nice shape+, medium, good size, BOT  
Weakness: pointed, DROP, heavy skin  
Cutting Notes: heavy russet skin

[COTX17123-2Ru \(21SPRFD179\)](#)-Russet. Parentage (POR06V12-3 x CO11110-3RU). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[COTX17271-1Ru \(21SPRFD180\)](#)-Russet. Parentage (COTX09052-2Ru x CO11333-1RU). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[COTX17304-1Ru \(21SPRFD181\)](#)-Russet. Parentage (PA99N82-4 x Canela Russet). Cross made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[NDTX1791-1Ru \(21SPRFD182\)](#)-Russet. Parentage (Payette Russet x Dakota Trailblazer). Cross made in North Dakota and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

[Reveille Russet \(21SPRFD183\)](#)-Oblong Russet. Parentage (A81473-2 x A8343-12) Cross 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, good shape, skinning, good yield and size few chain tubers, large tubers, nice, BOT++++  
Weakness: some rotten  
Cutting Notes:

[Russet Norkotah 278 \(21SPRFD184\)](#)-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Russet Norkotah ross made and selected in North Dakota. Russet Norkotah 278 is a mutant strain selection made in 2189 by Texas from the variety Russet Norkotah. Early maturity. Medium vine size. White flower color.

Uses: fresh  
Strength: nice, good size, shorter than RN296  
Weakness:  
Cutting Notes: nice shape,

[Russet Norkotah 296 \(21SPRFD184\)](#)-Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross 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: very nice, longer than regular Russet Norkotah  
Weakness: bruises dark  
Cutting Notes: nice shape

[Sierra Gold \(21SPRFD186\)](#)-Round-Oblong Russet /Yellow. Parentage (Krantz x Delta Gold). Cross made and selected in Texas. Early maturity. Medium vine size.

Uses: fresh  
Strength: very nice, large+, parent, nice tubers, BOT, nice, 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



[Stampede Russet \(21SPRFD187\)](#)-Oblong-Long Russet. Parentage (BR70101-1 x Lemhi Russet), cross made in Texas, selected in Idaho, and tested extensively in Alberta, Canada. Released in 1998 by Agriculture and Agri-Food Canada and the Texas Agricultural Experiment Station. Early maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: good shape, nice shape, high tuber number, very nice skin, BOT, parent for fresh market, nice skin, nice shape parent

Weakness:

Cutting Notes:

[MWTX548-2Ru \(21SPRFD188\)](#)-Oblong Light Russet. Parentage (W1005 x ID#527983). Cross made in Madison, Wisconsin, and selected in Texas. Late maturity. Large vine size.

Uses: fresh

Strength:

Weakness:

[TX18138-1Ru \(21SPRFD189\)](#)-Russet. Parentage (Amey x Reveille Russet). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness:

[TXA549-1Ru \(21SPRFD190\)](#)-Oval Russet. Parentage (ND9687-3Ru x ND9852-1Ru). Cross 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, large, blocky, parent

Weakness: short

Cutting Notes: very nice shape nice, blocky

[Vanguard Russet \(21SPRFD191\)](#)-Long Russet. Parentage (TXA549-1Ru x AOTX98137-1Ru). Cross made and selected in Texas.

Uses: fresh

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

Weakness: chain tubers+ and heat sprouts+, lesser number and poor shape, nice, short tubers

Cutting Notes:

[TX08350-12Ru \(21SPRFD192\)](#)-Russet. Parentage (TXA549-1Ru x AC96052-1RU). Cross made and selected in Texas.

Uses: fresh

Strength:

Weakness:

[TX6-1216-1Ru \(21SPRFD193\)](#)-Russet. Parentage (Atlantic x ATX9-77259B-8Ru). Cross made and selected in Texas.

Uses: Fresh

Strength:

Weakness:

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 Abbreviations 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















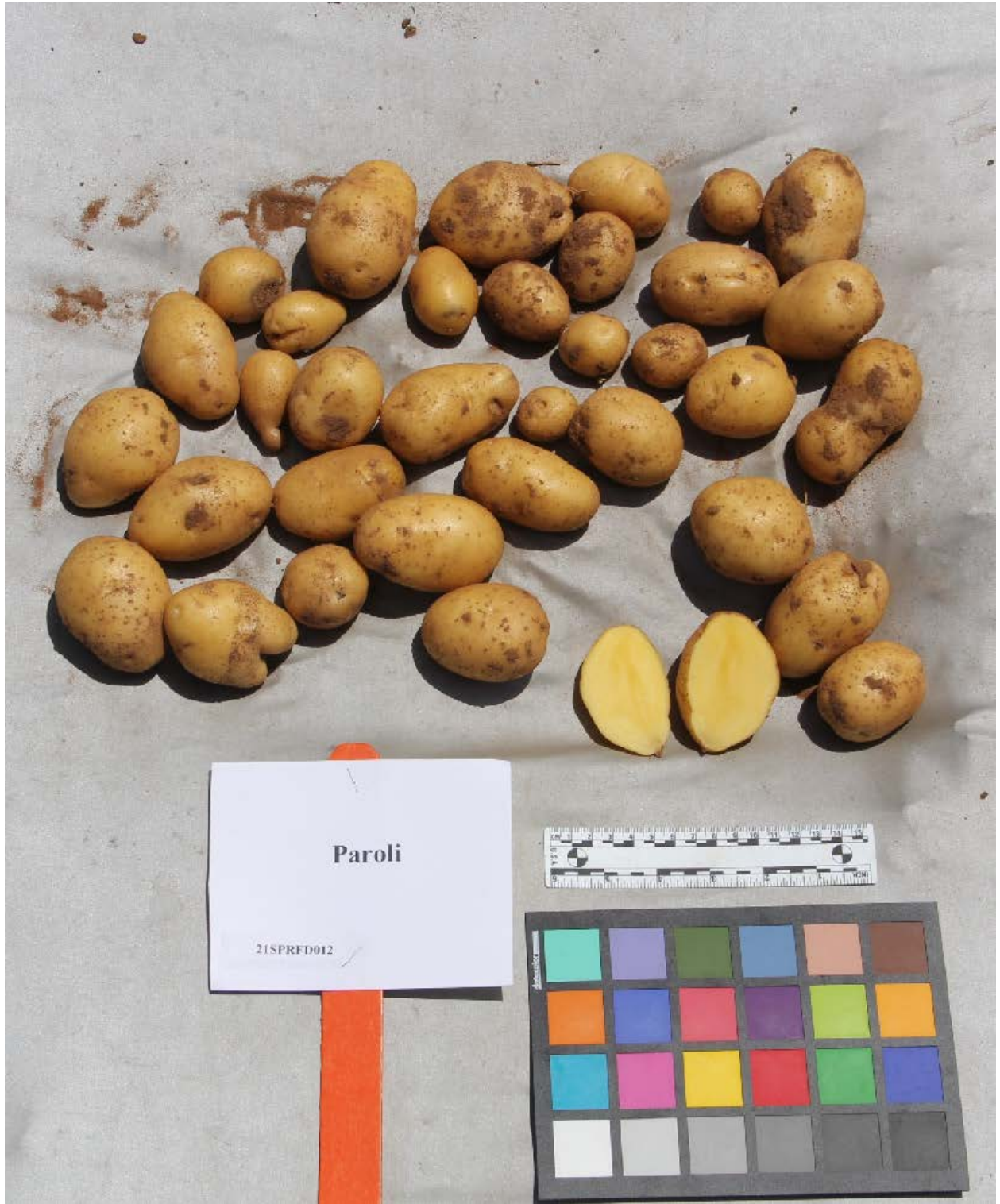




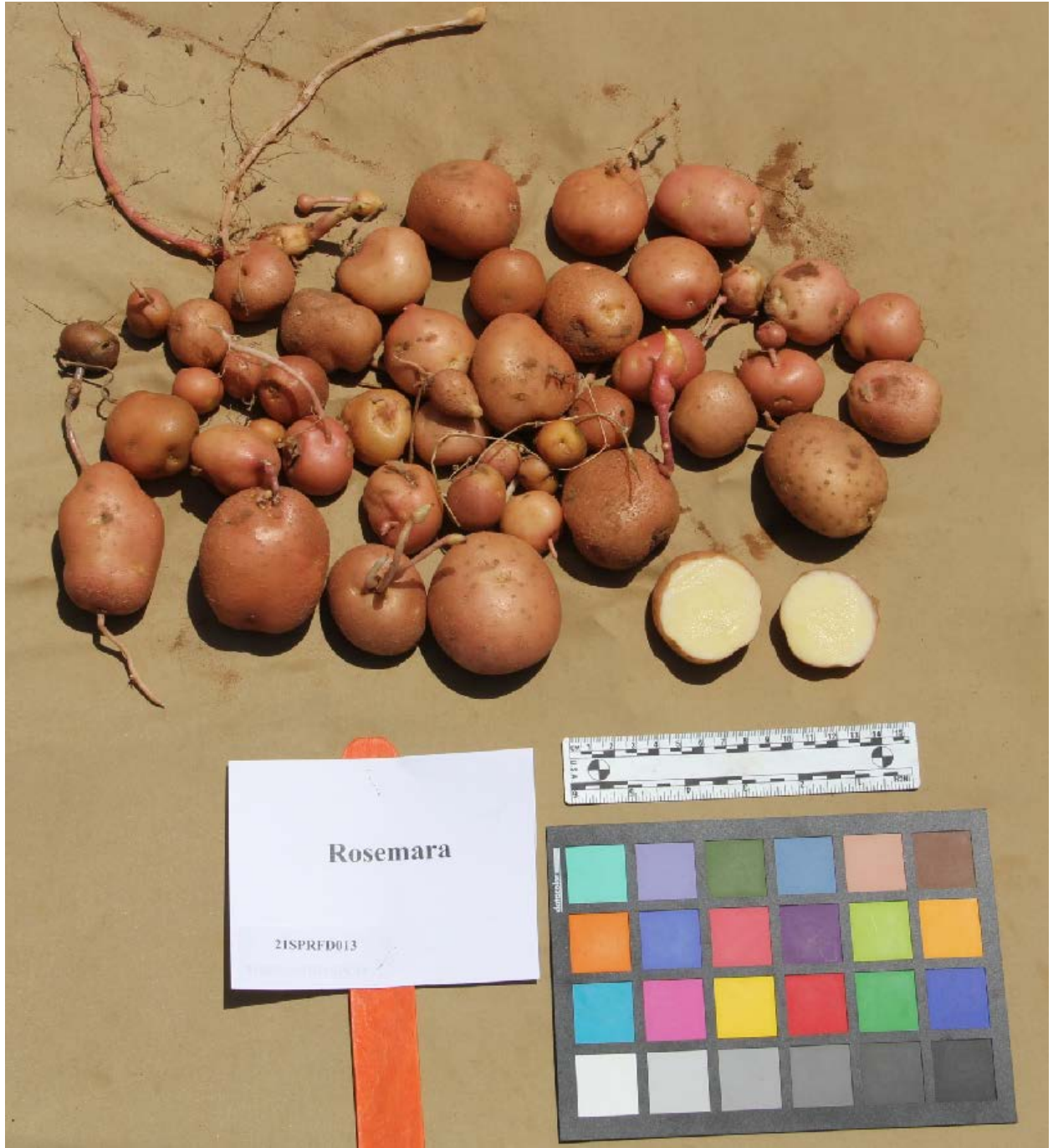


















**Banana**

21SPRF016









COTX17016f-2P/P

21SPRED019



































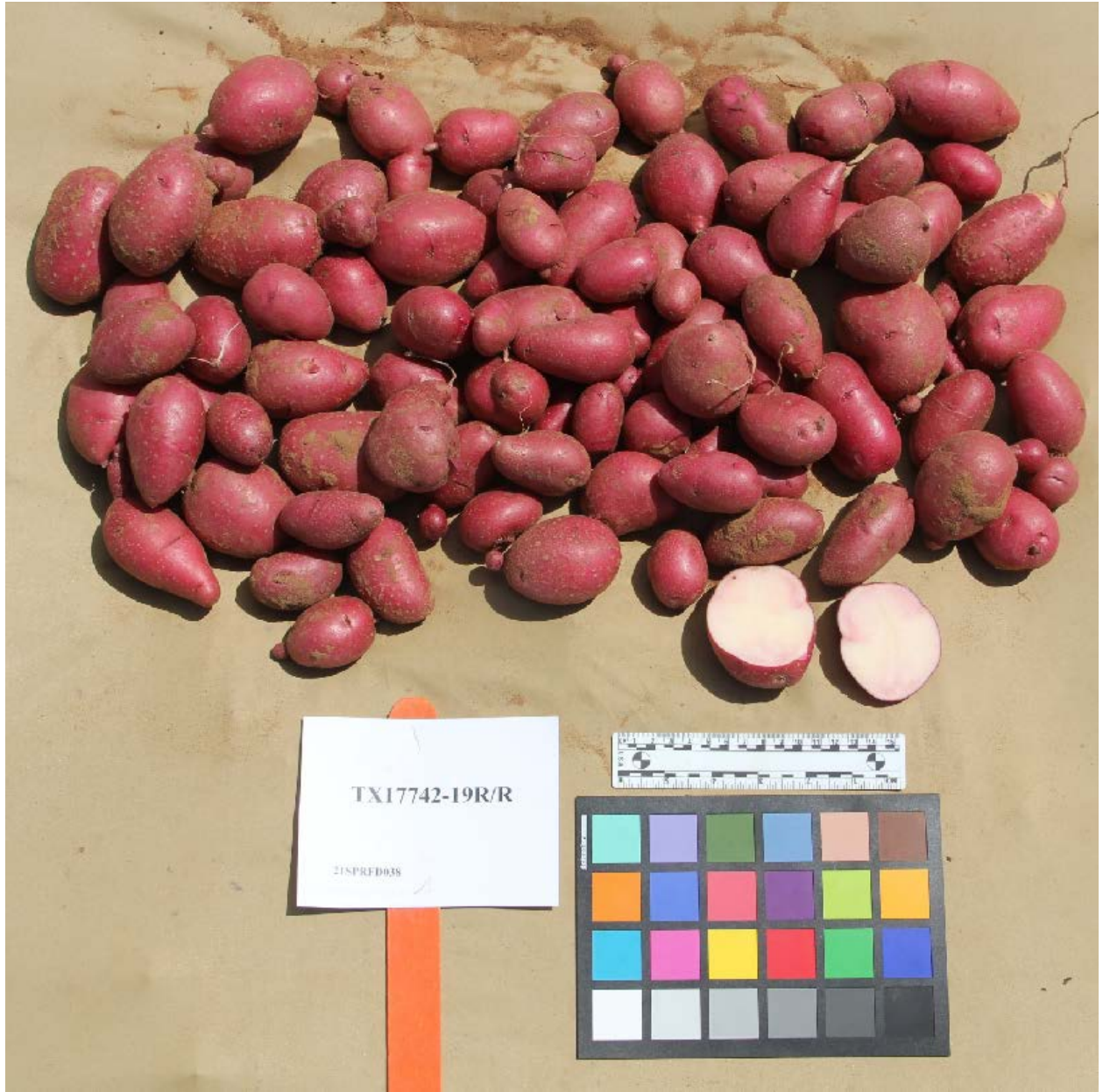








TX14646-1RWpinto/Y  
21SPRED037





































































COTX16212s-2Y/Y  
21SPRF072





























# AOR12197-4 (21SPRFD096)

No Tubers







CO12235-3W

21SPRFD099

































AORTX09037-5W/Y

21SPRFDI14



















COTX17288-1W

21SPRED122













NDTX113030C-3W

21SPRFD126











NDTX14247CAB-1W

21SPRFD131





NDTX14247CAB-2W

21SPRFD132











TX12484-2WZC

21SPRFD136























AOR08540-1

21SPRFD149

















































COTX08322-10Ru

21SPRED170

















































TX6-1216-1Ru

21SPRFD193





**Funds Received to Support  
The Texas Potato Variety Development Program  
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
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
Internal Funds (Bio-reactor heat screening)	\$10,000
Texas AgriLife (Genome-wide Association Studies)	\$16,000
Potato LEAF (Jeewan Pandey)	\$10,000
Bourlaug Scholarship (Sanjeev Gautam)	\$20,000
	<b>\$433,314</b>

**Expected July 1, 2021 – June 30, 2022:**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$143,560
USDA/SCRI (Tools for polyploid crop plants)	\$62,876
Texas AgriLife (Genome-wide Association Studies)	\$16,000
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
Sugar Creek Gardens Scholarship (Sanjeev Gautam)	\$12,000
	<b>\$405,436</b>

**In-kind support:**

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

**Texas A&M University Potato Breeding Program Team:**

Isabel Vales - Program Director

Jeff Koym and Douglas Scheuring - Senior Research Associates

Mythreyi Jamadagni and Stephany Toinga-Villafuerte - Research Associates

Mike Jenson - Technical Assistant Lubbock

Jeewan Pandey, Sanjeev Gautam, and Ao Jiao - Graduate Students

Nina Rau, Ganga Bhatt, Hanna Mitchell, and Brianna Cheek - Student Workers

March 11, 2021

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

<b>Licensee</b>	<b>Contact</b>	<b>Location</b>	<b>Phone</b>
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) 847-4660
Cheyne Brothers	Scott Fenters	Malin, Oregon	(541) 732-2028
Clear Horizons Seed Labs	Chase Engel	Scottsbluff, Nebraska	(308) 760-3380
Clemenson-Sobolik Farms	Kris Sobolik	Hoople, North Dakota	(701) 894-6379
Cottom Seed, Inc.	Steve Cottom	Dillon, Montana	(406) 660-6266
Countrywide Potato	Joe Thompson	Alliance, Nebraska	(800) 922-7699
CSS Farms	John Wallace	Watertown, South Dakota	(605) 886-2577
Dan Kimm Cert. Seed Potatoes	Karl DeJonge	Manhattan, Montana	(406) 641-0009
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
Pro-Seed Inc.	Derek Schreck	Center, Colorado	(719) 850-1764
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
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	Jennifer Matsuura	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 June 14, 2021

**Current U.S. Licensees for ‘Reveille Russet’ Potato**

<b>Licensee</b>	<b>Contact</b>	<b>Location</b>	<b>Phone</b>
Bothell Seed, LLC	Eric Bothell	Center, Colorado	(719) 754-3686
Bula Potato Farms Inc.	Adam Bula	Antigo, Wisconsin	(715) 275-3430
Bushman’s Riverside Ranch	Jon Bushman	Crivitz, Wisconsin	(715) 757-2160
Clear Horizons Seed Lab	Chase Engel	Scottsbluff, Nebraska	(308) 760-3380
Countrywide Potato	Joe Thompson	Alliance, Nebraska	(800) 922-7699
Crown Farms	Andy McGlinn	Presque Isle, Maine	(207) 473-7172
CSS Farms	Milt Carter	Watertown, South Dakota	(605) 886-2577
Everything Potatoes, Inc.	Sandy Bragg	Idaho Falls, Idaho	(208) 227-6435
Hanson Seed Farm LLC	Scott Hanson	Cornell, Michigan	(906) 384-6908
John Miller Farms	John Miller	Minto, North Dakota	(701) 248-3050
Krueger Seed Farms, Inc.	Rodney Krueger	Hawks, Michigan	(989) 734-2755
Martinez Farms, LLC	Segundo Diaz	Alamosa, Colorado	(719) 852-2498
Palmgren Farms	Kent Palmgren	Center, Colorado	(719) 754-3889
Pieper Farms, LLC	Jim Corneillie	Williams, Minnesota	(701) 335-9255
Price Farms Certified Seed LLC	Kent Price	Center, Colorado	(719) 850-4014
Pro-Seed Inc.	Derek Schreck	Center, Colorado	(719) 850-1764
Salazar Farms	LeRoy Salazar	Manassa, Colorado	(719) 588-0131
San Acacio Seed	LeRoy Salazar	Manassa, Colorado	(719) 588-0131
Sklarczyk Seed Farm, LLC	Ben Sklarczyk	Johannesburg, Michigan	(989) 731-5452
Summit Plant Laboratories	Jennifer Matsuura	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 June 14, 2021

**Current Licensees for ‘Vanguard Russet’ Potato**

<b>Licensee</b>	<b>Contact</b>	<b>Location</b>	<b>Phone</b>
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
Worley Family Farms	Carla Worley	Monte Vista, Colorado	(719) 852-4097
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 37 entries in the Western, Southwest Regional and Advanced Texas Russet selection Trial grown near Springlake, Texas-2021.

Entry #	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 <sup>1</sup> Field	General Rating <sup>1</sup> Grading	
				Total Yield	4-6 oz	6-10 oz						10-18 oz
21SPRFD144	Clearwater Russet	WR21	185.4	43.1	38.4	2.9	1.8	0.0	124.7	17.6	3.8	3.5
21SPRFD145	Ranger Russet	WR21	175.6	66.1	38.3	27.9	0.0	0.0	81.4	28.1	3.7	3.6
21SPRFD146	Russet Burbank	WR21	170.8	37.3	24.1	8.8	4.5	0.0	52.8	80.7	3.6	2.9
21SPRFD147	Russet Norkotah	WR21	191.1	82.0	52.0	25.4	4.7	0.0	103.1	5.9	3.6	4.2
21SPRFD148	Shepody	WR21	124.0	28.8	8.8	16.8	3.2	0.0	32.5	62.7	3.5	3.3
21SPRFD149	AOR08540-1	WR21	175.9	87.5	27.5	55.0	5.0	0.0	67.5	20.9	3.8	3.5
21SPRFD150	AOR10204-3	WR21	167.2	84.7	36.6	35.3	12.8	0.0	58.0	24.5	3.4	3.6
21SPRFD151	CO10085-1RU	WR21	101.8	3.1	3.1	0.0	0.0	0.0	61.9	36.8	2.0	2.0
21SPRFD152	CO11009-3RU	WR21	177.8	84.6	53.2	28.5	2.9	0.0	77.9	15.3	3.5	3.7
21SPRFD153	CO12378-1RU	WR21	160.9	16.6	12.3	4.3	0.0	0.0	144.3	0.0	3.0	3.3
21SPRFD154	COA11013-2	WR21	242.8	75.3	47.5	27.8	0.0	0.0	131.3	36.3	3.4	3.9
21SPRFD155	OR12133-10	WR21	162.5	75.3	48.4	26.9	0.0	0.0	71.2	16.0	3.5	4.3
21SPRFD156	POR12NCK50-1	WR21	96.7	52.3	22.9	20.6	8.8	0.0	42.9	1.5	3.6	3.9
21SPRFD157	TX13590-9Ru	WR21	324.5	192.3	88.7	93.8	9.8	0.0	118.6	13.6	3.8	4.5
21SPRFD158	AC12080-4RU	SW21	167.8	82.3	49.6	29.8	2.9	0.0	80.2	5.3	3.6	3.9
21SPRFD159	AC12090-3RU	SW21	162.1	89.1	41.0	32.2	15.9	0.0	71.0	2.1	4.5	3.9
21SPRFD160	CO13003-1RU	SW21	185.4	89.2	64.9	22.6	1.7	0.0	91.3	5.0	3.6	3.8
21SPRFD161	COTX08063-2Ru	SW21	165.4	64.2	40.8	18.9	4.5	0.0	92.5	8.6	3.5	3.8
21SPRFD162	ATX10007-1Ru	TXRU	152.0	86.5	42.6	32.0	11.9	0.0	64.6	0.8	3.6	4.2
21SPRFD163	ATX10378-3Ru/Y	TXRU	86.4	9.7	9.7	0.0	0.0	0.0	72.7	4.0	3.3	3.2
21SPRFD165	ATX13287-1Ru	TXRU	98.8	32.5	24.9	7.6	0.0	0.0	63.4	2.9	3.6	3.6
21SPRFD166	ATX15097-1Ru	TXRU	214.2	90.3	60.6	25.6	4.1	0.0	112.9	10.9	3.6	4.1
21SPRFD170	COTX08322-10Ru	TXRU	134.7	66.3	45.9	20.4	0.0	0.0	61.0	7.5	3.2	3.7
21SPRFD171	COTX09022-3RuRE/Y	TXRU	76.1	21.0	13.7	7.3	0.0	0.0	49.0	6.1	3.6	3.6
21SPRFD173	COTX13029-2Ru/Y	TXRU	60.5	20.5	18.7	1.8	0.0	0.0	39.4	0.6	3.6	3.5
21SPRFD174	COTX15271-1Ru	TXRU	119.3	17.4	14.6	2.8	0.0	0.0	90.3	11.5	3.5	3.4
21SPRFD175	COTX16005-1Ru	TXRU	142.7	61.7	37.2	22.7	1.7	0.0	78.2	2.8	3.7	3.7
21SPRFD178	COTX10080-2Ru	TXRU	194.8	89.9	55.4	27.8	6.7	0.0	92.8	12.1	3.7	4.1
21SPRFD180	COTX17271-1Ru	TXRU	68.1	9.4	8.5	0.9	0.0	0.0	56.0	2.7	3.4	3.2
21SPRFD182	NDTX1791-1Ru	TXRU	120.2	35.6	29.0	6.6	0.0	0.0	75.9	8.6	3.5	3.6
21SPRFD183	Reveille Russet	TXRU	305.4	187.0	84.2	80.3	22.5	0.0	95.0	23.4	4.5	4.6
21SPRFD184	Russet Norkotah 278	TXRU	108.4	40.4	31.3	7.5	1.6	0.0	62.7	5.3	3.6	3.6
21SPRFD185	Russet Norkotah 296	TXRU	106.4	39.6	21.5	16.4	1.7	0.0	60.6	6.1	3.7	3.8
21SPRFD186	Sierra Gold	TXRU	117.9	63.6	36.2	25.8	1.6	0.0	50.0	4.3	3.6	3.7
21SPRFD187	Stampede Russet	TXRU	58.5	19.7	9.7	8.6	1.4	0.0	28.5	10.4	3.5	3.4
21SPRFD190	TXA549-1Ru	TXRU	210.1	87.1	49.9	31.5	5.8	0.0	117.9	5.1	3.6	3.9
21SPRFD191	Vanguard Russet	TXRU	248.6	141.9	83.2	38.7	19.9	0.0	104.3	2.4	3.8	4.3
Average			155.7	64.2	37.2	22.7	4.3	0.0	77.8	13.7	3.6	3.7
L.S.D. (.05)			48.6	30.8	20.5	17.9	9.2	0.0	28.7	10.7		0.3

<sup>1</sup> 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 37 entries in the Western, Southwest Regional and Advanced Texas Russet selection Trial grown near Springlake, Texas-2021.

Entry #	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				
21SPRFD144	Clearwater Russet	WR21	20.0	17.7	1.4	0.9	0.0	69.0	11.0	1.065	14.1	Oblong	Russet
21SPRFD145	Ranger Russet	WR21	37.4	20.8	16.6	0.0	0.0	46.0	16.6	1.067	14.4	Long	Russet
21SPRFD146	Russet Burbank	WR21	22.2	14.6	5.2	2.4	0.0	30.4	47.3	1.063	13.8	Oblong	Russet
21SPRFD147	Russet Norkotah	WR21	42.2	26.1	13.5	2.6	0.0	54.6	3.2	1.064	14.0	Oblong	Russet
21SPRFD148	Shepody	WR21	22.2	6.9	12.8	2.5	0.0	28.0	49.8	1.067	14.4	Oblong	White
21SPRFD149	AOR08540-1	WR21	49.7	16.4	31.0	2.3	0.0	38.8	11.6	1.075	15.9	Long	Russet
21SPRFD150	AOR10204-3	WR21	51.0	22.4	21.8	6.9	0.0	34.9	14.1	1.066	14.2	Oblong	Russet
21SPRFD151	CO10085-1RU	WR21	2.5	2.5	0.0	0.0	0.0	63.1	34.3	1.078	16.4	Oblong	Russet
21SPRFD152	CO11009-3RU	WR21	47.1	29.6	15.6	1.9	0.0	44.0	8.9	1.081	16.9	Long	Russet
21SPRFD153	CO12378-1RU	WR21	10.1	7.4	2.6	0.0	0.0	89.9	0.0	1.070	14.9	Oblong	Russet
21SPRFD154	COA11013-2	WR21	30.9	19.9	11.0	0.0	0.0	54.6	14.5	1.066	14.3	Oblong	Russet
21SPRFD155	OR12133-10	WR21	47.5	30.5	17.0	0.0	0.0	41.9	10.6	1.064	14.0	Long	Russet
21SPRFD156	POR12NCK50-1	WR21	56.1	22.1	25.9	8.2	0.0	42.8	1.1	1.069	14.9	Oblong	Russet
21SPRFD157	TX13590-9Ru	WR21	59.2	27.6	28.6	3.0	0.0	36.7	4.1	1.077	16.2	Oblong	Russet
21SPRFD158	AC12080-4RU	SW21	50.1	30.4	18.0	1.7	0.0	47.0	2.9	1.070	15.0	Oblong	Russet
21SPRFD159	AC12090-3RU	SW21	48.6	26.7	14.6	7.2	0.0	50.5	0.9	1.066	14.2	Oblong	Russet
21SPRFD160	CO13003-1RU	SW21	48.4	35.6	11.9	0.9	0.0	48.9	2.7	1.067	14.5	Oblong	Russet
21SPRFD161	COTX08063-2Ru	SW21	38.1	23.3	12.5	2.4	0.0	56.7	5.2	1.087	18.0	Oblong	Russet
21SPRFD162	ATTX10007-1Ru	TXRU	54.2	27.7	19.2	7.3	0.0	45.3	0.4	1.068	14.6	Oblong	Russet
21SPRFD163	ATTX10378-3Ru/Y	TXRU	11.4	11.4	0.0	0.0	0.0	84.1	4.5	1.063	13.8	Oblong	Russet
21SPRFD165	ATX13287-1Ru	TXRU	33.0	25.7	7.3	0.0	0.0	64.2	2.8	1.082	17.1	Oblong	Russet
21SPRFD166	ATX15097-1Ru	TXRU	41.5	28.0	11.6	1.8	0.0	53.3	5.1	1.077	16.3	Oblong	Russet
21SPRFD170	COTX08322-10Ru	TXRU	49.5	34.4	15.1	0.0	0.0	45.3	5.3	1.064	13.9	Oblong	Russet
21SPRFD171	COTX09022-3RuRE/Y	TXRU	28.4	21.2	7.1	0.0	0.0	62.8	8.9	1.067	14.4	Round	Russet Red Eye
21SPRFD173	COTX13029-2Ru/Y	TXRU	25.0	21.7	3.3	0.0	0.0	74.5	0.5	1.068	14.7	Round	Russet
21SPRFD174	COTX15271-1Ru	TXRU	10.7	9.1	1.6	0.0	0.0	80.2	9.1	1.066	14.2	Oblong	Russet
21SPRFD175	COTX16005-1Ru	TXRU	42.9	25.9	15.9	1.1	0.0	55.2	1.9	1.078	16.4	Oblong	Russet
21SPRFD178	COTX10080-2Ru	TXRU	46.2	29.0	13.7	3.6	0.0	47.5	6.3	1.057	12.7	Oblong	Russet
21SPRFD180	COTX17271-1Ru	TXRU	11.3	9.8	1.5	0.0	0.0	84.8	3.9	1.061	13.4	Oval	Russet
21SPRFD182	NDTX1791-1Ru	TXRU	29.6	24.1	5.5	0.0	0.0	63.3	7.2	1.065	14.0	Oval	Russet
21SPRFD183	Reveille Russet	TXRU	61.1	27.5	26.3	7.3	0.0	31.2	7.8	1.065	14.0	Oblong	Russet
21SPRFD184	Russet Norkotah 278	TXRU	37.6	29.5	6.8	1.4	0.0	57.2	5.2	1.064	13.9	Oblong	Russet
21SPRFD185	Russet Norkotah 296	TXRU	31.0	18.0	11.8	1.2	0.0	63.5	5.5	1.067	14.5	Oblong	Russet
21SPRFD186	Sierra Gold	TXRU	54.6	31.3	21.9	1.4	0.0	41.7	3.7	1.068	14.7	Round	Russet
21SPRFD187	Stampede Russet	TXRU	32.8	16.1	14.6	2.2	0.0	48.8	18.3	1.051	11.7	Oblong	Russet
21SPRFD190	TXA549-1Ru	TXRU	42.0	24.0	15.0	3.0	0.0	55.7	2.3	1.072	15.3	Oblong	Russet
21SPRFD191	Vanguard Russet	TXRU	56.6	33.9	15.4	7.3	0.0	42.2	1.2	1.063	13.7	Oblong	Russet
Average			37.4	22.4	12.8	2.2	0.0	53.5	9.2	1.068	14.7		
L.S.D. (.05)			14.6	11.5	10.0	4.4	0.0	14.1	5.9	0.005	1.0		

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 62 entries in the Western, Southwest Regional, and Advanced Red Specialty Selection Trial grown near Springlake, Texas-2021.

Entry #	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 <sup>1</sup> Field	General Rating <sup>1</sup> Grading	
				Total Yield	4-6 oz	6-10 oz						10-18 oz
21SPRFD001	Chieftain	AWR21	163.1	66.9	50.7	7.1	9.0	0.0	77.2	19.1	3.5	3.8
21SPRFD002	Red LaSoda	AWR21	221.5	59.6	26.7	29.3	3.6	0.0	95.3	66.6	3.8	3.5
21SPRFD003	Modoc	AWR21	157.6	30.7	21.4	9.2	0.0	0.0	119.0	8.0	3.7	4.0
21SPRFD004	A08122-12Rsto	AWR21	183.9	16.8	16.8	0.0	0.0	0.0	164.6	2.5	3.6	3.8
21SPRFD005	NDA8512C-1R	AWR21	91.4	29.7	19.4	8.0	2.4	0.0	56.8	4.8	3.7	3.7
21SPRFD006	Yukon Gold	AWR21	78.7	37.7	23.6	8.1	6.0	0.0	40.4	0.6	3.0	3.5
21SPRFD007	A08120-4Y	AWR21	89.3	0.0	0.0	0.0	0.0	0.0	85.0	4.3	2.8	3.9
21SPRFD008	AORTX09037-1W/Y	AWR21	159.2	49.0	40.3	8.7	0.0	0.0	100.6	9.6	3.8	3.9
21SPRFD009	CO11250-1W/Y	AWR21	118.9	11.3	9.3	2.0	0.0	0.0	96.3	11.3	3.5	3.6
21SPRFD010	CO11266-1W/Y	AWR21	154.9	3.2	3.2	0.0	0.0	0.0	133.8	17.9	3.5	3.5
21SPRFD011	COTX10118-4Wpe/Y	AWR21	120.6	10.0	9.1	0.9	0.0	0.0	104.4	6.2	3.8	3.7
21SPRFD012	Paroli	ZHig	109.4	27.9	20.2	6.6	1.2	0.0	64.1	17.4	3.6	3.6
21SPRFD013	Rosemara	ZHig	138.1	12.2	12.2	0.0	0.0	0.0	83.2	42.6	3.4	3.4
21SPRFD014	Soraya	ZHig	101.3	20.8	18.9	1.8	0.0	0.0	70.2	10.3	3.5	3.6
21SPRFD016	Banana	TXFing	23.5	0.0	0.0	0.0	0.0	0.0	8.4	15.0	2.0	2.0
21SPRFD017	COTX08365f-3P/P	TXFing	105.2	12.3	12.3	0.0	0.0	0.0	60.2	32.7	3.8	3.7
21SPRFD018	COTX15182f-2Ru	TXFing	122.6	16.2	15.3	0.9	0.0	0.0	102.6	3.8	3.6	3.6
21SPRFD020	PORTX03PG25-2R/R	TXFing	84.1	1.0	1.0	0.0	0.0	0.0	63.5	19.6	3.7	3.5
21SPRFD021	TX17734f-1Y/Y	TXFing	93.2	14.8	13.8	0.9	0.0	0.0	60.5	18.0	3.5	3.5
21SPRFD022	TX17788f-4R/R	TXFing	107.9	9.1	7.3	1.8	0.0	0.0	80.6	18.2	3.7	3.6
21SPRFD023	ATTX10265-4R/Y	TXR/Y	147.4	3.6	3.6	0.0	0.0	0.0	84.4	59.5	3.5	3.5
21SPRFD025	ATX11549-1P/Y	TXR/Y	79.4	26.3	17.1	8.0	1.3	0.0	47.8	5.3	3.6	3.7
21SPRFD026	ATX11586-2R/Y	TXR/Y	158.9	18.8	17.1	1.7	0.0	0.0	121.3	18.8	3.6	3.5
21SPRFD027	COTX16078-9PWpinto/R	TXR/Y	47.1	0.0	0.0	0.0	0.0	0.0	10.3	36.9	3.2	2.6
21SPRFD030	NDTX059759-3R/YPinto	TXR/Y	76.9	24.8	19.7	2.2	2.9	0.0	45.4	6.7	3.6	3.4
21SPRFD031	NDTX14156-2RWpinto/Y	TXR/Y	110.3	0.0	0.0	0.0	0.0	0.0	91.3	19.0	3.4	3.6
21SPRFD032	NDTX14156A-3RWpinto/Y	TXR/Y	99.0	0.0	0.0	0.0	0.0	0.0	87.2	11.8	3.4	3.5
21SPRFD035	Purple Majesty	TXR/Y	87.7	0.0	0.0	0.0	0.0	0.0	51.1	36.6	2.6	2.7
21SPRFD036	Sierra Rose	TXR/Y	46.4	8.3	7.5	0.8	0.0	0.0	34.2	3.9	3.5	2.6
21SPRFD037	TX14646-1RWpinto/Y	TXR/Y	59.5	18.2	15.2	2.9	0.0	0.0	38.7	2.6	3.7	3.3
21SPRFD038	TX17742-19R/R	TXR/Y	128.6	12.8	12.8	0.0	0.0	0.0	100.5	15.3	3.8	3.7
21SPRFD039	TX17742-23P/P	TXR/Y	74.0	4.1	4.1	0.0	0.0	0.0	64.1	5.8	3.6	3.3
21SPRFD041	TX17750f-8R/R	TXFing	148.4	47.1	39.0	2.4	5.8	0.0	86.1	15.2	3.8	3.5
21SPRFD042	TX17755-2Psplash	TXR/Y	162.6	28.0	16.8	11.2	0.0	0.0	94.7	39.9	3.8	3.6
21SPRFD043	TX17805-10PYpinto/Y	TXR/Y	120.4	26.4	19.4	7.0	0.0	0.0	80.4	13.6	3.7	3.8
21SPRFD044	TX17805-12R/R	TXR/Y	59.2	14.8	12.1	2.7	0.0	0.0	34.3	10.1	3.5	3.2
Average			112.0	18.4	14.1	3.5	0.9	0.0	76.1	17.5	3.5	3.5
L.S.D. (.05)			33.1	17.7	11.7	7.9	ns	0.0	24.2	11.5	0.001	0.3

<sup>1</sup> 1=very poor to 5= excellent



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 62 entries in the Western, Southwest Regional, and Advanced Red Specialty Selection Trial grown near Springlake, Texas-2021.

Entry #	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 <sup>1</sup> Field	General Rating <sup>1</sup> Grading	
				Total Yield	4-6 oz	6-10 oz						10-18 oz
21SPRFD045	TX17805-1RWpinto/R	TXR/Y	100.9	15.6	15.6	0.0	0.0	0.0	69.8	15.6	3.4	3.6
21SPRFD046	TX17805-8R/R	TXR/Y	60.7	11.5	11.5	0.0	0.0	0.0	45.3	3.9	3.7	3.6
21SPRFD050	Unica	TXR/Y	40.8	0.0	0.0	0.0	0.0	0.0	3.9	36.9	2.2	2.2
21SPRFD051	COTX15083-1R	TXRD	87.8	0.0	0.0	0.0	0.0	0.0	85.8	2.1	3.7	3.7
21SPRFD052	COTX15111-1R	TXRD	65.2	6.9	6.9	0.0	0.0	0.0	57.8	0.5	3.6	3.3
21SPRFD053	NDTX071258B-1R	TXRD	19.1	0.0	0.0	0.0	0.0	0.0	16.9	2.2	3.0	1.9
21SPRFD054	NDTX092237C-2P/WP	TXRD	99.2	20.6	17.6	3.0	0.0	0.0	72.0	6.6	3.5	3.6
21SPRFD055	NDTX12248Y-1R	TXRD	97.9	42.7	39.4	2.1	1.2	0.0	51.9	3.3	4.0	3.7
21SPRFD056	NDTX14156-3P/WP	TXRD	134.3	28.2	27.1	0.0	1.2	0.0	89.5	16.5	3.7	3.7
21SPRFD061	NDTX1753Y-3R	TXRD	65.6	0.0	0.0	0.0	0.0	0.0	65.6	0.0	3.6	3.6
21SPRFD062	NDTX4784-7R	TXRD	126.8	55.9	35.6	20.3	0.0	0.0	62.7	8.2	4.2	4.0
21SPRFD063	TX17802-5R	TXRD	60.7	0.0	0.0	0.0	0.0	0.0	51.9	8.9	3.6	3.5
21SPRFD066	ATTX05175s-1R/Y	TXSM	109.2	0.0	0.0	0.0	0.0	0.0	105.9	3.3	4.0	3.7
21SPRFD067	ATTX98444s-16R/Y	TXSM	56.2	0.0	0.0	0.0	0.0	0.0	53.6	2.7	3.6	3.2
21SPRFD068	ATX05202s-3W/Y	TXSM	109.9	1.8	1.8	0.0	0.0	0.0	102.0	6.1	3.6	3.7
21SPRFD069	ATX06264s-4R/Y	TXSM	153.8	21.4	14.4	7.0	0.0	0.0	103.4	29.0	3.8	3.6
21SPRFD070	COTX04050s-1P/P	TXSM	45.7	0.0	0.0	0.0	0.0	0.0	39.3	6.5	3.4	2.7
21SPRFD071	COTX04193s-2R/Y	TXSM	33.3	0.0	0.0	0.0	0.0	0.0	28.1	5.2	3.3	2.4
21SPRFD072	COTX16212s-2Y/Y	TXSM	43.0	3.6	3.6	0.0	0.0	0.0	37.9	1.5	3.3	2.8
21SPRFD073	NDTX081451CBs-1Y/Y	TXSM	167.4	22.5	22.5	0.0	0.0	0.0	118.5	26.5	3.8	3.7
21SPRFD074	NDTX14342s-3R	TXSM	128.3	3.0	3.0	0.0	0.0	0.0	75.5	49.8	3.7	3.5
21SPRFD075	NDTX1759s-1R/Y	TXSM	84.7	0.0	0.0	0.0	0.0	0.0	84.7	0.0	3.6	3.5
21SPRFD076	TX17797s-11Y/Y	TXSM	132.1	34.0	33.1	0.9	0.0	0.0	93.2	4.8	4.2	3.8
21SPRFD078	Tacna	TXW/Y	106.1	12.7	12.7	0.0	0.0	0.0	56.4	37.1	2.2	3.1
21SPRFD079	TX17763-2Y/Y	TXW/Y	112.8	26.3	24.5	1.7	0.0	0.0	80.8	5.8	3.8	3.8
21SPRFD080	TX18337-2W/Y	TXW/Y	104.1	4.1	4.1	0.0	0.0	0.0	62.6	37.3	3.3	2.8
Average			89.7	12.3	10.8	1.4	0.1	0.0	66.1	11.3	3.5	3.4
L.S.D. (.05)			33.1	17.7	11.7	7.9	ns	0.0	24.2	11.5	0.001	0.3

<sup>1</sup> 1=very poor to 5= excellent

Springlake 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 62 entries in the Western, Southwest Regional, and Advanced Red Specialty Selection Trial grown near Springlake, Texas-2021.

Entry #	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				
21SPRFD001	Chieftain	AWR21	37.1	28.7	3.7	4.6	0.0	50.5	12.5	1.046	10.8	Round	Red
21SPRFD002	Red LaSoda	AWR21	26.6	12.2	13.0	1.5	0.0	43.3	30.0	1.044	10.4	Round	Red
21SPRFD003	Modoc	AWR21	18.5	14.0	4.5	0.0	0.0	76.1	5.4	1.051	11.6	Round	Red
21SPRFD004	A08122-12Rsto	AWR21	9.9	9.9	0.0	0.0	0.0	88.8	1.3	1.055	12.4	Round	Red
21SPRFD005	NDA8512C-1R	AWR21	30.9	21.1	7.5	2.2	0.0	64.4	4.8	1.054	12.2	Round	Red
21SPRFD006	Yukon Gold	AWR21	42.9	27.3	10.2	5.5	0.0	56.6	0.5	1.053	11.9	Round	White
21SPRFD007	A08120-4Y	AWR21	0.0	0.0	0.0	0.0	0.0	95.2	4.8	1.044	10.4	Round	White
21SPRFD008	AORTX09037-1W/Y	AWR21	30.7	25.7	5.0	0.0	0.0	63.1	6.2	1.064	14.0	Round	White
21SPRFD009	CO11250-1W/Y	AWR21	8.0	6.4	1.6	0.0	0.0	82.1	9.8	1.064	14.0	Round	White
21SPRFD010	CO11266-1W/Y	AWR21	2.2	2.2	0.0	0.0	0.0	86.2	11.6	1.062	13.6	Round	White
21SPRFD011	COTX10118-4Wpe/Y	AWR21	8.3	7.6	0.7	0.0	0.0	86.6	5.1	1.045	10.6	Round	Purple Eye
21SPRFD012	Paroli	ZHig	26.0	19.6	5.6	0.8	0.0	57.2	16.8	1.051	11.7	Long	White
21SPRFD013	Rosemara	ZHig	8.8	8.8	0.0	0.0	0.0	60.3	30.9	1.049	11.3	Round	Red
21SPRFD014	Soraya	ZHig	19.1	17.5	1.6	0.0	0.0	70.2	10.7	1.048	11.2	Oval	White
21SPRFD016	Banana	TXFing	0.0	0.0	0.0	0.0	0.0	32.3	67.7	1.062	13.6	Long	White
21SPRFD017	COTX08365f-3P/P	TXFing	11.7	11.7	0.0	0.0	0.0	57.3	31.0	1.044	10.4	Long	Purple
21SPRFD018	COTX15182f-2Ru	TXFing	14.1	13.4	0.6	0.0	0.0	83.1	2.8	1.054	12.2	Long	Russet
21SPRFD020	PORTX03PG25-2R/R	TXFing	1.3	1.3	0.0	0.0	0.0	76.7	22.1	1.049	11.3	Long	Red
21SPRFD021	TX17734f-1Y/Y	TXFing	15.1	14.2	0.9	0.0	0.0	64.2	20.7	1.048	11.1	Long	White
21SPRFD022	TX17788f-4R/R	TXFing	7.8	6.4	1.4	0.0	0.0	73.7	18.4	1.059	13.0	Long	Red
21SPRFD023	ATTX10265-4R/Y	TXR/Y	2.3	2.3	0.0	0.0	0.0	57.0	40.7	1.042	9.9	Round	Red
21SPRFD025	ATX11549-1P/Y	TXR/Y	33.2	21.4	10.3	1.5	0.0	60.2	6.7	1.056	12.4	Round	Purple
21SPRFD026	ATX11586-2R/Y	TXR/Y	11.6	10.6	1.0	0.0	0.0	77.1	11.3	1.050	11.5	Oblong	Red
21SPRFD027	COTX16078-9PWpinto/R	TXR/Y	0.0	0.0	0.0	0.0	0.0	30.4	69.6	1.048	11.0	Round	Purple Pinto
21SPRFD030	NDTX059759-3R/YPinto	TXR/Y	28.7	23.9	2.1	2.8	0.0	59.9	11.4	1.050	11.5	Oval	Red Pinto
21SPRFD031	NDTX14156-2RWpinto/Y	TXR/Y	0.0	0.0	0.0	0.0	0.0	82.8	17.2	1.056	12.5	Oblong	Red Pinto
21SPRFD032	NDTX14156A-3RWpinto/Y	TXR/Y	0.0	0.0	0.0	0.0	0.0	85.1	14.9	1.054	12.2	Oblong	Red Pinto
21SPRFD035	Purple Majesty	TXR/Y	0.0	0.0	0.0	0.0	0.0	58.6	41.4	1.055	12.4	Oblong	Purple
21SPRFD036	Sierra Rose	TXR/Y	14.8	13.8	1.0	0.0	0.0	76.3	8.9	1.053	12.0	Round	Red
21SPRFD037	TX14646-1RWpinto/Y	TXR/Y	31.5	27.0	4.5	0.0	0.0	64.4	4.1	1.047	10.9	Round	Red Pinto
21SPRFD038	TX17742-19R/R	TXR/Y	10.3	10.3	0.0	0.0	0.0	77.8	12.0	1.055	12.3	Oval	Red
21SPRFD039	TX17742-23P/P	TXR/Y	4.6	4.6	0.0	0.0	0.0	88.0	7.4	1.049	11.2	Oblong	Purple
21SPRFD041	TX17750f-8R/R	TXFing	29.0	25.1	1.2	2.7	0.0	60.0	11.0	1.053	12.0	Oblong	Red
21SPRFD042	TX17755-2Psplash	TXR/Y	17.4	10.4	7.0	0.0	0.0	58.2	24.4	1.041	9.9	Oval	Purple Splash
21SPRFD043	TX17805-10PYpinto/Y	TXR/Y	21.0	15.6	5.3	0.0	0.0	67.9	11.1	1.059	13.1	Round	Purple Pinto
21SPRFD044	TX17805-12R/R	TXR/Y	20.4	16.7	3.7	0.0	0.0	61.8	17.8	1.053	11.9	Round	Red
Average			15.1	11.9	2.6	0.6	0.0	67.6	17.3	1.052	11.8		
L.S.D. (.05)			11.3	8.4	5.1	ns	0.0	14.5	11.6	0.004	0.6		

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 62 entries in the Western, Southwest Regional, and Advanced Red Specialty Selection Trial grown near Springlake, Texas-2021.

Entry #	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				
21SPRFD045	TX17805-1RWpinto/R	TXR/Y	13.9	13.9	0.0	0.0	0.0	69.6	16.5	1.049	11.2	Oval	Red Pinto
21SPRFD046	TX17805-8R/R	TXR/Y	17.5	17.5	0.0	0.0	0.0	76.6	5.9	1.048	11.1	Round	Red
21SPRFD050	Unica	TXR/Y	0.0	0.0	0.0	0.0	0.0	7.2	92.8	1.040	9.7	Oblong	Red
21SPRFD051	COTX15083-1R	TXRD	0.0	0.0	0.0	0.0	0.0	98.0	2.0	1.040	9.7	Round	Red
21SPRFD052	COTX15111-1R	TXRD	9.8	9.8	0.0	0.0	0.0	89.3	0.9	1.051	11.5	Round	Red
21SPRFD053	NDTX071258B-1R	TXRD	0.0	0.0	0.0	0.0	0.0	89.2	10.8	1.045	10.6	Round	Red
21SPRFD054	NDTX092237C-2P/WP	TXRD	20.8	17.7	3.1	0.0	0.0	72.7	6.6	1.056	12.6	Round	Purple
21SPRFD055	NDTX12248Y-1R	TXRD	42.8	39.9	1.9	0.9	0.0	54.5	2.8	1.046	10.8	Round	Red
21SPRFD056	NDTX14156-3P/WP	TXRD	21.5	20.6	0.0	0.9	0.0	66.4	12.1	1.043	10.2	Oval	Purple
21SPRFD061	NDTX1753Y-3R	TXRD	0.0	0.0	0.0	0.0	0.0	100.0	0.0	1.037	9.1	Round	Red
21SPRFD062	NDTX4784-7R	TXRD	43.8	27.8	16.0	0.0	0.0	49.9	6.3	1.043	10.1	Round	Red
21SPRFD063	TX17802-5R	TXRD	0.0	0.0	0.0	0.0	0.0	84.7	15.3	1.045	10.5	Round	Red
21SPRFD066	ATTX05175s-1R/Y	TXSM	0.0	0.0	0.0	0.0	0.0	96.8	3.2	1.060	13.2	Round	Red
21SPRFD067	ATTX98444s-16R/Y	TXSM	0.0	0.0	0.0	0.0	0.0	95.1	4.9	1.063	13.8	Round	Red
21SPRFD068	ATX05202s-3W/Y	TXSM	1.4	1.4	0.0	0.0	0.0	93.1	5.5	1.048	11.0	Round	White
21SPRFD069	ATX06264s-4R/Y	TXSM	14.3	9.5	4.8	0.0	0.0	67.0	18.7	1.053	12.0	Round	Red
21SPRFD070	COTX04050s-1P/P	TXSM	0.0	0.0	0.0	0.0	0.0	85.5	14.5	1.054	12.2	Round	Purple
21SPRFD071	COTX04193s-2R/Y	TXSM	0.0	0.0	0.0	0.0	0.0	83.6	16.4	1.047	10.9	Round	Red
21SPRFD072	COTX16212s-2Y/Y	TXSM	6.2	6.2	0.0	0.0	0.0	89.2	4.7	1.063	13.7	Round	White
21SPRFD073	NDTX081451CBs-1Y/Y	TXSM	12.8	12.8	0.0	0.0	0.0	72.2	15.1	1.066	14.3	Round	White
21SPRFD074	NDTX14342s-3R	TXSM	2.5	2.5	0.0	0.0	0.0	59.4	38.1	1.048	11.0	Round	Red
21SPRFD075	NDTX1759s-1R/Y	TXSM	0.0	0.0	0.0	0.0	0.0	100.0	0.0	1.041	9.9	Round	Red
21SPRFD076	TX17797s-11Y/Y	TXSM	27.0	26.4	0.6	0.0	0.0	69.3	3.7	1.074	15.7	Compressed	White
21SPRFD078	Tacna	TXW/Y	10.5	10.5	0.0	0.0	0.0	54.9	34.6	1.046	10.7	Oval	White
21SPRFD079	TX17763-2Y/Y	TXW/Y	23.1	21.7	1.4	0.0	0.0	71.7	5.2	1.060	13.2	Oblong	White
21SPRFD080	TX18337-2W/Y	TXW/Y	4.0	4.0	0.0	0.0	0.0	60.1	35.9	1.050	11.3	Round	White
Average			10.7	9.5	1.1	0.1	0.0	75.8	13.5	1.051	11.5		
L.S.D. (.05)			11.3	8.4	5.1	ns	0.0	14.5	11.6	0.004	0.6		

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 47 entries in the Western, Southwest Regional, and Advanced TexasI Chip selection Trial grown near Springlake, Texas-2021.

Entry #	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 <sup>1</sup> Field	General Rating <sup>1</sup> Grading	
				Total Yield	4-6 oz	6-10 oz						10-18 oz
21SPRFD092	Atlantic	TXCH	162.1	119.6	79.2	40.4	0.0	0.0	31.5	11.1	3.6	3.8
21SPRFD093	Lamoka	TXCH	174.9	141.1	105.4	35.6	0.0	0.0	33.9	0.0	3.7	3.8
21SPRFD094	Snowden	TXCH	126.5	106.1	95.8	10.4	0.0	0.0	15.6	4.8	3.5	3.7
21SPRFD095	AC11494-6W	TXCH	128.3	46.3	46.3	0.0	0.0	0.0	60.2	21.8	3.4	3.5
21SPRFD096	AOR12197-4	TXCH	79.5	48.7	37.7	11.1	0.0	0.0	12.4	18.3	3.4	3.4
21SPRFD097	CO11023-2W	TXCH	73.3	55.3	47.0	8.3	0.0	0.0	18.0	0.0	3.5	3.4
21SPRFD098	CO11037-5W	TXCH	226.1	120.3	87.5	32.8	0.0	0.0	58.1	47.7	3.5	3.2
21SPRFD099	CO12235-3W	TXCH	87.5	66.4	52.9	13.5	0.0	0.0	21.1	0.0	3.5	3.6
21SPRFD100	CO12293-1W	TXCH	113.4	96.5	71.2	20.7	4.5	0.0	16.9	0.0	3.6	3.4
21SPRFD101	COOR13270-2	TXCH	164.9	125.5	108.2	17.3	0.0	0.0	30.4	9.0	3.6	3.7
21SPRFD102	NYOR14Q9-5	TXCH	196.7	161.1	125.1	36.0	0.0	0.0	30.8	4.8	3.6	4.5
21SPRFD104	CO13232-5W	TXCH	177.0	126.9	126.9	0.0	0.0	0.0	46.7	3.5	3.7	4.5
21SPRFD105	CO13232-25W	TXCH	99.9	76.1	67.8	8.3	0.0	0.0	23.9	0.0	3.7	3.5
21SPRFD106	MSW474-1	TXCH	188.8	108.6	96.8	11.8	0.0	0.0	80.2	0.0	3.6	3.6
21SPRFD107	MSZ242-13	TXCH	199.5	152.5	118.9	19.7	13.8	0.0	47.0	0.0	3.5	3.7
21SPRFD108	B2904-2	TXCH	144.9	84.0	53.9	30.1	0.0	0.0	46.0	14.9	3.2	3.4
21SPRFD109	NC470-3	TXCH	193.6	140.0	129.3	10.7	0.0	0.0	53.6	0.0	3.8	3.8
21SPRFD110	W12078-76	TXCH	204.0	161.1	141.4	19.7	0.0	0.0	42.9	0.0	3.7	4.5
21SPRFD111	ATLANTIC PUSA	TXCH	251.3	186.7	163.5	23.2	0.0	0.0	64.6	0.0	4.0	4.2
21SPRFD112	SNOWDEN PUSA	TXCH	228.5	147.6	131.7	15.9	0.0	0.0	80.9	0.0	4.0	4.4
21SPRFD113	NY163	TXCH	163.9	68.8	68.8	0.0	0.0	0.0	89.5	5.5	4.0	3.7
21SPRFD114	AORTX09037-5W/Y	TXCH	67.1	34.9	32.2	2.8	0.0	0.0	25.9	6.2	3.8	3.7
21SPRFD115	ATTX10333-1W/Y	TXCH	93.0	55.0	49.8	5.2	0.0	0.0	34.6	3.5	3.7	3.7
21SPRFD116	ATX13134-3W/Y	TXCH	136.6	86.4	86.4	0.0	0.0	0.0	50.1	0.0	3.7	3.8
21SPRFD117	ATX15325-3W/Y	TXCH	169.7	50.1	50.1	0.0	0.0	0.0	111.7	8.0	3.8	3.7
21SPRFD118	COTX12235-2W	TXCH	74.0	25.9	25.9	0.0	0.0	0.0	48.1	0.0	3.7	3.6
21SPRFD119	COTX16013-5W	TXCH	110.6	88.5	73.3	15.2	0.0	0.0	22.1	0.0	3.6	3.6
21SPRFD120	COTX16054-1W	TXCH	39.1	29.4	29.4	0.0	0.0	0.0	9.7	0.0	3.5	3.4
21SPRFD121	COTX17286-6W	TXCH	72.9	32.5	30.1	2.4	0.0	0.0	40.4	0.0	3.5	3.4
21SPRFD122	COTX17288-1W	TXCH	65.7	47.4	40.1	7.3	0.0	0.0	18.3	0.0	3.6	3.3
21SPRFD123	COTX17288-3W	TXCH	175.3	114.4	89.5	24.9	0.0	0.0	47.7	13.1	4.0	3.7
21SPRFD124	COTX17288-4W	TXCH	171.5	103.7	95.8	8.0	0.0	0.0	58.8	9.0	3.8	3.7
21SPRFD125	NDTX091886-3P/P	TXCH	81.6	41.1	38.0	3.1	0.0	0.0	40.4	0.0	3.6	3.4
21SPRFD126	NDTX113030C-3W	TXCH	153.2	107.5	107.5	0.0	0.0	0.0	45.6	0.0	4.0	3.7
21SPRFD127	NDTX12135-1W	TXCH	105.1	76.4	63.6	12.8	0.0	0.0	28.7	0.0	3.8	3.7
21SPRFD128	NDTX12203AB-1W	TXCH	76.7	57.7	43.2	14.5	0.0	0.0	16.2	2.8	3.7	3.6
21SPRFD129	NDTX1244-3W/Y	TXCH	251.0	178.4	127.2	51.2	0.0	0.0	65.7	6.9	4.0	3.8
Average			141.3	93.7	79.4	13.9	0.5	0.0	42.4	5.2	3.7	3.7

<sup>1</sup> 1=very poor to 5= excellent

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 47 entries in the Western, Southwest Regional, and Advanced Texas1 Chip selection Trial grown near Springlake, Texas-2021.

Entry #	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 <sup>1</sup> Field	General Rating <sup>1</sup> Grading	
				Total Yield	4-6 oz	6-10 oz						10-18 oz
21SPRFD130	NDTX1246-5W/Y	TXCH	113.4	65.0	65.0	0.0	0.0	8.0	40.4	0.0	3.7	3.3
21SPRFD131	NDTX14247CAB-1W	TXCH	78.5	59.8	57.0	2.8	0.0	0.0	18.7	0.0	3.7	3.7
21SPRFD132	NDTX14247CAB-2W	TXCH	70.2	51.9	44.9	6.9	0.0	0.0	18.3	0.0	3.5	3.6
21SPRFD133	NDTX14263BC-3W	TXCH	58.8	28.0	28.0	0.0	0.0	0.0	30.8	0.0	3.6	3.4
21SPRFD134	NDTX14362AB-1W	TXCH	84.7	62.9	62.9	0.0	0.0	0.0	21.8	0.0	3.7	3.5
21SPRFD135	NDTX1482YB-1W	TXCH	103.4	35.3	35.3	0.0	0.0	0.0	64.6	3.5	3.5	3.4
21SPRFD136	TX12484-2WZC	TXCH	67.1	52.9	39.8	13.1	0.0	0.0	14.2	0.0	3.4	3.4
21SPRFD137	TX12484-3WZC	TXCH	117.5	52.2	52.2	0.0	0.0	0.0	63.3	2.1	3.7	3.6
21SPRFD138	TX17846-1W	TXCH	97.8	54.3	54.3	0.0	0.0	0.0	43.6	0.0	3.8	3.7
21SPRFD139	TX18042-1Ru	TXCH	86.1	41.1	41.1	0.0	0.0	0.0	44.9	0.0	3.4	3.2
Average			87.7	50.3	48.1	2.3	0.0	0.8	36.1	0.6	3.6	3.5

<sup>1</sup> 1=very poor to 5= excellent

Springlake  
Table 3b.

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 47 entries in the Western, Southwest Regional, and Advanced Texas  
Chip selection Trial grown near Springlake, Texas-2021.

Entry #	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				
21SPRFD092	Atlantic	TXCH	73.8	48.8	24.9	0.0	0.0	19.4	6.8	1.070	15.0	Round	Buff
21SPRFD093	Lamoka	TXCH	80.6	60.3	20.4	0.0	0.0	19.4	0.0	1.070	15.0	Round	White
21SPRFD094	Snowden	TXCH	83.9	75.7	8.2	0.0	0.0	12.3	3.8	1.065	14.1	Round	White
21SPRFD095	AC11494-6W	TXCH	36.1	36.1	0.0	0.0	0.0	46.9	17.0	1.055	12.3	Round	White
21SPRFD096	AOR12197-4	TXCH	61.3	47.4	13.9	0.0	0.0	15.7	23.0	1.060	13.3	Compressed	White
21SPRFD097	CO11023-2W	TXCH	75.5	64.2	11.3	0.0	0.0	24.5	0.0	1.078	16.4	Compressed	White
21SPRFD098	CO11037-5W	TXCH	53.2	38.7	14.5	0.0	0.0	25.7	21.1	1.061	13.4	Oval	White
21SPRFD099	CO12235-3W	TXCH	75.9	60.5	15.4	0.0	0.0	24.1	0.0	1.073	15.5	Round	White
21SPRFD100	CO12293-1W	TXCH	85.1	62.8	18.3	4.0	0.0	14.9	0.0	1.074	15.7	Round	White
21SPRFD101	COOR13270-2	TXCH	76.1	65.6	10.5	0.0	0.0	18.4	5.5	1.061	13.4	Round	White
21SPRFD102	NYOR14Q9-5	TXCH	81.9	63.6	18.3	0.0	0.0	15.6	2.5	1.060	13.2	Round	White
21SPRFD104	CO13232-5W	TXCH	71.7	71.7	0.0	0.0	0.0	26.4	2.0	1.056	12.6	Round	White
21SPRFD105	CO13232-25W	TXCH	76.1	67.8	8.3	0.0	0.0	23.9	0.0	1.071	15.2	Round	White
21SPRFD106	MSW474-1	TXCH	57.5	51.3	6.2	0.0	0.0	42.5	0.0	1.068	14.6	Compressed	White
21SPRFD107	MSZ242-13	TXCH	76.4	59.6	9.9	6.9	0.0	23.6	0.0	1.072	15.4	Round	White
21SPRFD108	B2904-2	TXCH	58.0	37.2	20.8	0.0	0.0	31.7	10.3	1.069	14.8	Oval	White
21SPRFD109	NC470-3	TXCH	72.3	66.8	5.5	0.0	0.0	27.7	0.0	1.069	14.8	Round	White
21SPRFD110	W12078-76	TXCH	79.0	69.3	9.7	0.0	0.0	21.0	0.0	1.076	16.0	Round	White
21SPRFD111	ATLANTIC PUSA	TXCH	74.3	65.1	9.2	0.0	0.0	25.7	0.0	1.076	16.1	Round	White
21SPRFD112	SNOWDEN PUSA	TXCH	64.6	57.6	7.0	0.0	0.0	35.4	0.0	1.066	14.3	Round	White
21SPRFD113	NY163	TXCH	42.0	42.0	0.0	0.0	0.0	54.6	3.4	1.072	15.4	Round	White
21SPRFD114	AORTX09037-5W/Y	TXCH	52.1	47.9	4.1	0.0	0.0	38.7	9.3	1.059	13.1	Round	White
21SPRFD115	ATTX10333-1W/Y	TXCH	59.1	53.5	5.6	0.0	0.0	37.2	3.7	1.077	16.3	Round	White
21SPRFD116	ATX13134-3W/Y	TXCH	63.3	63.3	0.0	0.0	0.0	36.7	0.0	1.077	16.2	Round	White
21SPRFD117	ATX15325-3W/Y	TXCH	29.5	29.5	0.0	0.0	0.0	65.8	4.7	1.084	17.5	Round	White
21SPRFD118	COTX12235-2W	TXCH	35.0	35.0	0.0	0.0	0.0	65.0	0.0	1.067	14.5	Compressed	White
21SPRFD119	COTX16013-5W	TXCH	80.0	66.3	13.8	0.0	0.0	20.0	0.0	1.055	12.2	Round	White
21SPRFD120	COTX16054-1W	TXCH	75.2	75.2	0.0	0.0	0.0	24.8	0.0	1.057	12.7	Round	White
21SPRFD121	COTX17286-6W	TXCH	44.5	41.2	3.3	0.0	0.0	55.5	0.0	1.057	12.6	Round	White
21SPRFD122	COTX17288-1W	TXCH	72.1	61.1	11.1	0.0	0.0	27.9	0.0	1.056	12.5	Round	White
21SPRFD123	COTX17288-3W	TXCH	65.3	51.1	14.2	0.0	0.0	27.2	7.5	1.059	13.0	Round	White
21SPRFD124	COTX17288-4W	TXCH	60.5	55.8	4.6	0.0	0.0	34.3	5.2	1.056	12.6	Round	White
21SPRFD125	NDTX091886-3P/P	TXCH	50.4	46.6	3.8	0.0	0.0	49.6	0.0	1.076	16.1	Oval	Purple
21SPRFD126	NDTX113030C-3W	TXCH	70.2	70.2	0.0	0.0	0.0	29.8	0.0	1.076	16.1	Round	White
21SPRFD127	NDTX12135-1W	TXCH	72.7	60.5	12.2	0.0	0.0	27.3	0.0	1.066	14.3	Compressed	White
21SPRFD128	NDTX12203AB-1W	TXCH	75.2	56.3	18.9	0.0	0.0	21.2	3.6	1.067	14.5	Compressed	White
21SPRFD129	NDTX1244-3W/Y	TXCH	71.1	50.7	20.4	0.0	0.0	26.2	2.8	1.080	16.8	Round	White
Average			65.7	56.1	9.3	0.3	0.0	30.7	3.6	1.067	14.5		

Springlake  
Table 3b.

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 47 entries in the Western, Southwest Regional, and Advanced Texas Chip selection Trial grown near Springlake, Texas-2021.

Entry #	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				
21SPRFD130	NDTX1246-5W/Y	TXCH	57.3	57.3	0.0	0.0	7.0	35.7	0.0	1.077	16.3	Round	White
21SPRFD131	NDTX14247CAB-1W	TXCH	76.2	72.7	3.5	0.0	0.0	23.8	0.0	1.063	13.8	Round	White
21SPRFD132	NDTX14247CAB-2W	TXCH	73.9	64.0	9.9	0.0	0.0	26.1	0.0	1.060	13.3	Compressed	White
21SPRFD133	NDTX14263BC-3W	TXCH	47.6	47.6	0.0	0.0	0.0	52.4	0.0	1.064	14.0	Round	White
21SPRFD134	NDTX14362AB-1W	TXCH	74.3	74.3	0.0	0.0	0.0	25.7	0.0	1.063	13.7	Compressed	White
21SPRFD135	NDTX1482YB-1W	TXCH	34.1	34.1	0.0	0.0	0.0	62.5	3.3	1.065	14.1	Round	White
21SPRFD136	TX12484-2WZC	TXCH	78.9	59.3	19.6	0.0	0.0	21.1	0.0	1.064	13.9	Round	White
21SPRFD137	TX12484-3WZC	TXCH	44.4	44.4	0.0	0.0	0.0	53.8	1.8	1.061	13.4	Round	White
21SPRFD138	TX17846-1W	TXCH	55.5	55.5	0.0	0.0	0.0	44.5	0.0	1.066	14.4	Compressed	White
21SPRFD139	TX18042-1Ru	TXCH	47.8	47.8	0.0	0.0	0.0	52.2	0.0	1.087	18.0	Round	White
Average			59.0	55.7	3.3	0.0	0.7	39.8	0.5	1.067	14.5		
L.S.D. (.05)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0.0		

Springlake Table 3f. 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 47 entries in the Western, Southwest Regional, and Advanced Texas1 Chip selection Trial grown near Springlake, Texas-2021.

Entry #	Clone name/ID	Trial	Gravity	% Solids	Chip Rating <sup>1</sup>	Chip Color <sup>2</sup>	% Good Chip	% Bad Chip	% Vas	% Bruise	% Stem	% Apical Bruise	Notes <sup>3</sup>	% Zebra Grading	% Zebra Chipping
21SPRFD092	Atlantic	TXCH	1.070	15.0	3.2	1.0	0	100	30	10	35	0	3 IHN, 1 HH, ,	0	0
21SPRFD093	Lamoka	TXCH	1.070	15.0	2.8	1.0	0	100	29	0	65	0	1 Dark, , ,	0	0
21SPRFD094	Snowden	TXCH	1.065	14.1	2.8	1.0	10	90	5	5	80	0	, , ,	0	0
21SPRFD095	AC11494-6W	TXCH	1.055	12.3	3.5	1.0	0	100	45	0	40	0	3 Dark, , ,	0	0
21SPRFD096	AOR12197-4	TXCH	1.060	13.3	3.5	3.0	0	100	29	10	57	0	1BC, , ,	0	0
21SPRFD097	CO11023-2W	TXCH	1.078	16.4	2.8	1.0	30	70	15	5	50	0	, , ,	0	0
21SPRFD098	CO11037-5W	TXCH	1.061	13.4	3.2	1.0	45	55	40	10	0	0	1 IHN, , , ,	0	0
21SPRFD099	CO12235-3W	TXCH	1.073	15.5	2.5	1.0	65	35	5	5	25	0	, , ,	0	0
21SPRFD100	CO12293-1W	TXCH	1.074	15.7	1.5	1.0	35	65	20	5	40	0	BOT, , ,	0	0
21SPRFD101	COOR13270-2	TXCH	1.061	13.4	3.2	1.0	15	85	30	55	10	0	, , ,	0	0
21SPRFD102	NYOR14Q9-5	TXCH	1.060	13.2	2.8	1.0	16	84	32	0	53	0	, , ,	0	0
21SPRFD104	CO13232-5W	TXCH	1.056	12.6	3.5	1.0	5	95	71	0	14	0	, , ,	0	0
21SPRFD105	CO13232-25W	TXCH	1.071	15.2	2.5	1.0	40	60	15	0	45	0	, , ,	0	0
21SPRFD106	MSW474-1	TXCH	1.068	14.6	2.0	1.0	28	72	0	17	56	0	, , ,	0	0
21SPRFD107	MSZ242-13	TXCH	1.072	15.4	2.8	2.0	5	95	21	11	63	0	, , ,	0	0
21SPRFD108	B2904-2	TXCH	1.069	14.8	2.8	1.0	15	85	10	5	60	0	, , ,	0	0
21SPRFD109	NC470-3	TXCH	1.069	14.8	2.8	1.0	15	85	35	0	50	0	, , ,	0	0
21SPRFD110	W12078-76	TXCH	1.076	16.0	1.8	1.0	40	60	10	5	45	0	, , ,	0	0
21SPRFD111	ATLANTIC PUSA	TXCH	1.076	16.1	2.8	1.0	0	100	40	60	15	0	, , ,	0	0
21SPRFD112	SNOWDEN PUSA	TXCH	1.066	14.3	2.8	1.0	5	95	0	10	85	0	, , ,	0	0
21SPRFD113	NY163	TXCH	1.072	15.4	1.2	1.0	65	35	5	0	15	0	BOT, , ,	0	0
21SPRFD114	AORTX09037-5W/Y	TXCH	1.059	13.1	2.8	3.0	37	63	63	0	0	0	, , ,	0	0
21SPRFD115	ATTX10333-1W/Y	TXCH	1.077	16.3	2.2	3.0	15	85	40	0	45	0	, , ,	0	0
21SPRFD116	ATX13134-3W/Y	TXCH	1.077	16.2	2.2	3.0	16	84	16	5	63	0	, , ,	0	0
21SPRFD117	ATX15325-3W/Y	TXCH	1.084	17.5	2.8	3.0	0	100	32	5	47	0	, , ,	0	0
21SPRFD118	COTX12235-2W	TXCH	1.067	14.5	1.3	1.0	85	15	0	5	10	0	BOT, , ,	0	0
21SPRFD119	COTX16013-5W	TXCH	1.055	12.2	3.0	1.0	0	100	29	29	41	0	, , ,	0	0
21SPRFD120	COTX16054-1W	TXCH	1.057	12.7	2.5	1.0	15	85	55	0	30	0	, , ,	0	0
21SPRFD121	COTX17286-6W	TXCH	1.057	12.6	2.8	1.0	20	80	50	10	20	0	, , ,	0	0
21SPRFD122	COTX17288-1W	TXCH	1.056	12.5	2.2	1.0	6	94	39	6	50	0	Chip blisters, , ,	0	0
21SPRFD123	COTX17288-3W	TXCH	1.059	13.0	2.8	1.0	26	74	21	5	47	0	, , ,	0	0
21SPRFD124	COTX17288-4W	TXCH	1.056	12.6	3.0	1.0	0	100	28	11	61	0	, , ,	0	0
21SPRFD125	NDTX091886-3P/P	TXCH	1.076	16.1	3.5	3.0	6	94	0	33	61	0	, , ,	0	0
21SPRFD126	NDTX113030C-3W	TXCH	1.076	16.1	2.5	1.0	10	90	0	20	70	0	, , ,	0	0
21SPRFD127	NDTX12135-1W	TXCH	1.066	14.3	3.2	2.0	0	100	17	17	67	0	, , ,	0	0
21SPRFD128	NDTX12203AB-1W	TXCH	1.067	14.5	1.8	1.0	29	71	41	0	29	0	, , ,	0	0
21SPRFD129	NDTX1244-3W/Y	TXCH	1.080	16.8	2.0	3.0	44	56	25	6	25	0	, , ,	0	0
Average			1.067	14.5	3	1	20	80	25	10	42	0		0	0

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

<sup>1</sup>1=poor, 5=excellent

<sup>2</sup>1=light, 3+=very dark

<sup>3</sup>BOT=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



Springlake  
Table 3f.

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 47 entries in the Western, Southwest Regional, and Advanced Texas1 Chip selection Trial grown near Springlake, Texas-2021.

Clone name/ID	Trial	Gravity	% Solids	Chip	Chip	% Good	% Bad	% Vas	% Bruise	% Stem	% Apical	Notes <sup>3</sup>	% Zebra	% Zebra	
				Rating <sup>1</sup>	Color <sup>2</sup>	Chip	Chip						Bruise	Grading	Chipping
21SPRFD130	NDTX1246-5W/Y	TXCH	1.077	16.3	2.5	3.0	35	65	0	15	50	0	,,	0	0
21SPRFD131	NDTX14247CAB-1W	TXCH	1.063	13.8	3.2	2.0	0	100	60	10	30	0	,,,	0	0
21SPRFD132	NDTX14247CAB-2W	TXCH	1.060	13.3	3.0	1.0	0	100	40	5	55	0	,,,	0	0
21SPRFD133	NDTX14263BC-3W	TXCH	1.064	14.0	2.2	1.0	26	74	0	26	47	0	,,	0	0
21SPRFD134	NDTX14362AB-1W	TXCH	1.063	13.7	2.2	1.0	26	74	0	0	74	0	,,,	0	0
21SPRFD135	NDTX1482YB-1W	TXCH	1.065	14.1	2.8	1.0	24	76	6	29	41	0	,,,	0	0
21SPRFD136	TX12484-2WZC	TXCH	1.064	13.9	2.8	1.0	0	100	25	0	75	0	,,,	0	0
21SPRFD137	TX12484-3WZC	TXCH	1.061	13.4	2.6	1.0	45	55	10	25	20	0	,,,	0	0
21SPRFD138	TX17846-1W	TXCH	1.066	14.4	2.8	2.0	16	84	26	26	32	0	,,,	0	0
21SPRFD139	TX18042-1Ru	TXCH	1.087	18.0	3.0	1.0	45	55	0	20	20	0	2 BC, ,,	0	0
Average			1.067	14.5	3	1	22	78	17	16	44	0		0	0

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

<sup>1</sup>1=poor, 5=excellent

<sup>2</sup>1=light, 3+=very dark

<sup>3</sup>BOT=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

