

# POTATO VARIETY AND CLONE DESCRIPTIONS

2004 Growing Season

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## FRESH MARKET OR PROCESSING VARIETIES

### Named Varieties

**Alturas (A82360-7)** – A late maturing, very high yielding selection with oblong, lightly russetted tubers. It resulted from a cross of A77182-1 and A75188-3. It was released in 2002. It was selected for dehydration purposes but may also be useful for french fry processing and possibly fresh market. Alturas has high specific gravity and excellent fry color from 45°F storage, and will often fry acceptably following 40°F storage. Strengths: exceptionally high yield, high specific gravity, low sugar accumulation in storage, resistance to most external and internal defects. Weaknesses: short tuber type, occasional growth cracks.

**CalWhite** – A medium maturing, high yielding variety with oblong, white tubers. It resulted from a cross of Pioneer and BC8370-4 and was released in 1995 by the University of California. It is used primarily for processing and tablestock. The tubers have medium to high solids and produce good fry color. Strengths: high yield and percentage of U.S. No.1 tubers, good specific gravity, and resistance to Fusarium tuber rot. Weaknesses: short tuber dormancy, susceptibility to powdery scab.

**Defender (A90586-11)** – A late maturing vine but early bulking, medium to high yielding selection with white oblong tuber type. It resulted from a cross of KSA195-90 and Ranger Russet. It was selected for resistance to late blight. Defender has high specific gravity. Strengths: foliar and tuber late blight and early blight resistance, resistance to shatter bruise, verticillium wilt, PVY, net necrosis, soft rot, and corky ringspot, high yield potential, high specific gravity. Weaknesses: susceptibility to blackspot bruise and a high tendency for tuber greening. Tuber internal necrosis noted in Southern Columbia Basin beginning with September harvest but not noted as a problem in August harvests.

**GemStar Russet (A9014-2)** – A medium maturing, high yielding selection with heavy russet skin and oblong tuber type. It resulted from a cross of Gem Russet and A8341-5. It has excellent appearance and may be useful for both processing and fresh market. GemStar has moderate to high specific gravity and good fry color from 40°F storage. Strengths: drought tolerant, high yield, outstanding appearance, exceptionally high percentage of U.S. No.1 tubers, resistance to external defects, blackspot bruise and corky ringspot, and excellent fry color from cold storage. Weaknesses: Susceptibility to hollow heart, PVY, and dry rot.

**Ranger Russet** – A medium to late maturing, medium to high yielding variety with medium russet skin, and long tuber type that is similar in appearance to Russet Burbank. It resulted from a cross of Butte and A6595-3. It is useful both for processing and possibly fresh market and is the third most widely grown variety in the U.S. Ranger has medium to high specific gravity and good fry color from 45°F storage. Strengths: resistance to internal defects including hollow heart, brown center, and net necrosis, high yield of large tubers, resistance to early dying, PVX and PVY. Weaknesses: susceptibility to scab, tendency for deep eyes, susceptibility to stress induced malformities, blackspot bruise, and late blight tuber rot.

**Russet Burbank** – This well-known variety serves as a standard for all russet-type variety trials. Russet Burbank is late maturing, medium to high yielding with medium russet skin and long tuber type. It is useful for fresh market and processing. Russet Burbank has medium specific gravity and usually fries well from 45°F storage. Strengths: storability, medium to high yields, culinary quality. Weaknesses: susceptibility to stress induced malformations, hollow heart, brown center, and sugar ends, susceptibility to net necrosis, early dying and abundance of undersize tubers.

**Russet Norkotah** – A very early maturing, low to medium yielding variety with medium russet skin and long tuber type. It resulted from a cross of ND9526-4Russ and ND9687-5Russ. It is useful for fresh market. Russet Norkotah has low specific gravity and fries moderately poor from 45°F storage. Strengths: early maturity, attractive appearance, uniform shape. Weaknesses: low specific gravity, sugar accumulation during storage, common occurrence of very low yields due to high susceptibility to early dying, occasional disagreeable flavor.

**CORN-3** – A line selection of Russet Norkotah made by breeders in Colorado and Texas. It is similar to Russet Norkotah in most respects, but is slightly later maturing, more vigorous, higher yielding, and produces somewhat larger rougher tubers.

**TXN112–TXN223–TXN278** – Clonal selections of Russet Norkotah made by breeders in Texas and Colorado. It is similar to Russet Norkotah in most respects, but is slightly later maturing, more vigorous, higher yielding, with larger tuber size.

**Summit Russet (A84118-3)** – A late maturing, medium yielding selection with medium russet skin and oblong to long tuber type. It resulted from a cross of A77236-6 and TND329-1Russ. It is useful both for fresh market and processing and was released in 2003. Summit has high specific gravity and excellent fry color from 45°F storage. Strengths: lower susceptibility to late blight than most commonly grown varieties, resistance to early blight, Verticillium wilt, external defects, and blackspot bruise, low sugar accumulation in storage, very high proportion of U.S. No. 1 tubers. Weaknesses: occasional hollow heart, mediocre yields in short season areas, skin cracking in alkaline soils.

**Umatilla Russet** – A late maturing, high yielding variety from Oregon with medium russet skin and long tuber type. It resulted from a cross of Butte and A77268-4. It was released in 1998. Tuber appearance is similar to Russet Burbank. It may be useful in both the fresh and processing markets. Umatilla Russet has medium to high specific gravity and good fry color from 45°F storage. Strengths: resistance to early dying and to most internal and external defects including translucent-ends, high specific gravity. Weaknesses: occasional second growth, pointed tubers as a result of stress conditions, susceptibility to shatter bruise and associated dry rot infection.

**Western Russet (A7961-1)** – A medium maturing, medium to high yielding selection with heavy russet skin and long tuber type. It resulted from a cross of A68113-4 and Belrus. It produces a high proportion of U.S. No. 1 tubers, has medium specific gravity and may be useful for fresh market and processing. Western has resistance to external malformations and internal defects, but is susceptible to blackspot bruise. Strengths: resistance to malformations, internal defects and shatter bruise. Weaknesses: sugar accumulation in storage causing occasional dark fries, susceptibility to blackspot bruise.

### **Fresh Market or Processing: Experimental Selections**

The following selections are being evaluated for quality, yield, and disease resistance under Idaho growing conditions. Selections having superior characteristics will be evaluated further.

**A92030-5** – A medium maturing, medium to high yielding selection with large long, heavily russeted tubers. It resulted from a cross of A86003-20 and A83043-12 and may be useful for tablestock and processing. A92030-5 has moderate specific gravity and acceptable fry color from 45°F storage. Selected at Parma for its good tuber type characteristics under stressful conditions. Strengths: corky ringspot resistance and large blocky tubers at some locations. Weaknesses: low tuber set, susceptibility to blackspot bruise, and early dying.

**A92294-6** – A medium to late maturing very high yielding selection with long, white tubers. It resulted from a cross of A86332-7 and Summit Russet and has high specific gravity and excellent fry color from storage. A92294-6 has a high tuber set and may be useful for processing. Strengths: very high yield, excellent fry color from storage. Weaknesses: susceptibility to growth cracks and scab, tendency for curved tubers, and potential for sugar end development.

**A93004-3** – A late maturing, medium to high yielding selection with very long, heavily russeted tubers. It resulted from a cross of A83043-12 and A7961-1. A93004-3 produces a high yield of large tubers, has moderate specific gravity and good fry color from storage. It has potential for processing and fresh markets. Strengths: high percentage of U.S. No. 1 tubers, good fry color from storage. Weaknesses: tendency for over-sized tubers, moderate susceptibility to blackspot bruise, susceptibility to skin checking, and “lumpy” tuber appearance.

**A93005-10** – A late maturing high yielding selection with oblong, lightly russeted tubers. It resulted from a cross of A83043-12 and A85103-3. A93005-10 has moderate specific gravity and excellent fry color out of storage. It has potential for processing and fresh markets. Strengths: excellent fry color from storage, very high yield, high proportion of U.S. No.1 tubers, good internal quality. Weaknesses: light russet skin, slight tendency for tapered tuber shape.

**A93157-6LS** – A medium to late maturing selection with long, russeted tubers and high yield. It resulted from a cross of A87149-4 and A88108-7. A93157-6LS has high specific gravity, excellent fry color from cold storage and was originally selected for its resistance to sugar development. It should be useful in both tablestock and processing markets. Strengths: very high proportion of U.S. No. 1 tubers, good tuber appearance, high specific gravity, excellent fry color, high yield, and PVY resistance. Weaknesses: susceptibility to blackspot bruise, and some hollow heart.

**A95109-1** – An early maturing selection with medium to high yield and long, heavily russetted tubers. It resulted from a cross of A8893-1 and Summit Russet. A95109-1 has specific gravity similar to Russet Burbank and can produce dark fries out of 45°F storage. It produces tubers with a smooth appearance and may be suitable for both the fresh and processing markets. Strengths: good early yield, high proportion of U.S. No.1 tubers, and smooth appearance. Weaknesses: mediocre specific gravity, and potential for dark fries out of 45°F storage.

**A95409-1** – A medium to late maturing selection with high yield and long, lightly russetted tubers. It resulted from a cross of A89146-8 and Ranger Russet. A95409-1 is high yielding, produces a very high proportion of large U.S. No.1 tubers with high specific gravity. It produces acceptable fry color out of storage and may be useful for the fresh and processing markets. Strengths: high yield and high proportion of U.S. No.1 tubers, blocky tuber type. Weaknesses: light skin may be unattractive for fresh market, and mediocre fry color.

**A96023-6** – A medium maturing selection with mediocre yield and long, medium russetted tubers. It resulted from a cross of A9045-7 and A89512-3. A96023-6 is average yielding, produces a very high proportion of large U.S. No.1 tubers. It produces acceptable fry color out of storage and may be useful for the fresh and processing markets. Strengths: high proportion of U.S. No.1 tubers, and long tuber type. Weaknesses: mediocre specific gravity.

**A96095-3** – An early maturing selection with medium to high yield and long, medium russetted large tubers. It resulted from a cross of A88094-8 and A91194-4. A96095-3 has specific gravity lower than Russet Burbank and can produce light fries out of 40 and 45°F storage. It produces a high proportion of large tubers with a smooth appearance and may be suitable for both the fresh and processing markets. Strengths: good early yield, high proportion of U.S. No.1 tubers, and smooth appearance. Weaknesses: mediocre specific gravity, potential for blackspot bruising, and internal brown spot.

**A96104-2** – A medium maturing selection with high yield and long, medium russetted tubers. It resulted from a cross of A88236-4 and A89512-3. A96104-2 is high yielding, produces a very high proportion of large U.S. No.1 tubers. It produces acceptable fry color out of storage and may be useful for the fresh and processing markets. Strengths: high proportion of U.S. No.1 tubers, and potential resistance to blackspot bruise. Weaknesses: mediocre specific gravity.

**A98295-3TE** – A medium-early maturing selection with lower yield and small, heavy russetted tubers. It resulted from a cross of A93156-3 and A86102-6 and was selected from early material grown in Tetonia, Idaho. A98295-3TE is lower yielding, produces less than acceptable fry color out of storage. Strengths: resistance to blackspot and corky ringspot. Weaknesses: poor fry qualities.

**AC92009-4** – A medium to late maturing selection from Colorado with oblong, heavily russetted tubers. It resulted from a cross of A83043-12 and A8784-3. AC92009-4 has a high proportion of smooth U.S. No. 1 tubers, but is very low yielding. It has high specific gravity and acceptable fry color from storage. Strengths: attractive skin and tuber shape, and high specific gravity. Weaknesses: low yield, and susceptibility to skin checking.

**AC93026-9RU** – A medium to late maturing selection from Colorado with medium to high yields and long, medium russeted tubers. It resulted from a cross of A8823-1 and A86102-6. AC93026-9RU has slightly higher specific gravity than Russet Burbank but produces dark fries out of storage and a high percentage of translucent ends. Weaknesses: poor fry color, susceptibility to translucent ends, some hollow heart, and small tuber size.

**AO96160-3** – A medium to late maturing selection from Oregon with medium yields and long, medium russeted tubers. It resulted from a cross of A89384-10 and A89512-3. AO96160-3 has average specific gravity, good fry color, and attractive tuber type. It may be useful in fresh and processing markets. Strengths: good fry color from storage, attractive tuber type, high proportion of U.S. No.1 tubers, and potential resistance to blackspot bruise. Weaknesses: mediocre yield and specific gravity.

**AO96164-1** – A medium maturing, high yielding selection from Oregon with long, medium russeted tubers. It resulted from a cross of A89384-10 and A91194-4. AO96164-1 has specific gravity equal to Russet Burbank and good fry color out of storage and has potential for use in fresh and processing markets. Strengths: high yield and proportion of U.S. No.1 tubers, and good fry color out of storage. Weaknesses: susceptibility to pointy tubers, and slight susceptibility to shatter bruise.

**AOA95154-1** – A late maturing selection with medium yield and long russeted tubers. It resulted from a cross of Bannock Russet and A89152-4. AOA95154-1 has high specific gravity and very good fry color from storage and has potential for use in fresh and processing markets. Strengths: high specific gravity, good fry color from storage, resistance to external malformations and translucent ends. Weaknesses: tuber internal necrosis noted as a problem in Southern Columbia Basin.

**AOA95155-7** – A late maturing selection with short, medium russeted tubers. It resulted from a cross of Bannock Russet and A89163-3LS. AOA95155-7 is slightly lower yielding than Russet Burbank, but has higher specific gravity and good fry color from storage. It has some resistance to blackspot bruising and has potential for use in the fresh and processing markets. Strengths: good fry color from storage, and resistance to blackspot bruising. Weaknesses: mediocre yield.

**ATX91137-1RU** – A medium maturing selection from Texas with oblong, medium russeted tubers. It resulted from a cross of Bannock Russet and A8343-12. ATX91137-1Ru is slightly lower yielding than Russet Burbank, but has lower specific gravity. It has some resistance to blackspot bruising and has potential for use in the fresh market. Strengths: resistance to blackspot bruising. Weaknesses: low specific gravity, mediocre yield, and high proportion of undersized tubers.

**ATX92230-1RU** – A medium maturing selection from Texas with oblong, medium russeted tubers. It resulted from a cross of A8603-13 and Gem Russet. ATX92230-1Ru is medium to low yield with a high percentage of U.S. No1 tubers. It has some resistance to blackspot bruising and has potential for use in the fresh market. Strengths: resistance to blackspot bruising. Weaknesses: mediocre processing qualities, susceptible to shatter bruise, and growth cracks.

**CO93001-11RU** - An early-medium maturing selection from Colorado with oblong, light russeted tubers. It resulted from a cross of A79141-3 and Silverton Russet. CO93001-11 has mediocre yield with a high proportion of U.S. No. 1 tubers. It has lower specific gravity and acceptable fry color from storage. Strengths: high proportion of U.S. No. 1 tubers. Weaknesses: short tuber type, and susceptible to blackspot bruising.

**CO94035-15RU** - A medium maturing selection from Colorado with oblong, dark russeted tubers. It resulted from a cross of AO80432-1 and Silverton Russet. CO94035-15 has mediocre yield with a high proportion of U.S. No. 1 tubers. It has average specific gravity and poor fry color from storage. Strengths: resistance to blackspot bruising. Weaknesses: short tuber type.

**COA96054-3** - A medium maturing selection with oblong, light russeted tubers. It resulted from a cross of AC84437-2 and AC88165-3. COA96054-3 has a high proportion of smooth U.S. No. 1 tubers, but is low yielding. Strengths: high specific gravity. Weaknesses: low yield and mediocre fry color.

**PA95A11-14** - A medium maturing selection from Prosser, WA with oblong, light russeted tubers. It resulted from a cross of A8259-6 and A77715-6. PA95A11-14 was developed for its resistance to corky ringspot. It has, mediocre yield, average specific gravity, and poor fry color from storage. Strengths: resistance to corky ringspot. Weaknesses: short tuber type, very low yield, and poor fry color.

**PA97B3-2** - A medium maturing selection from Prosser, WA with oblong, light russeted tubers. It resulted from a cross of A8469-5 and A77715-6. PA97B3-2 was developed for its resistance to corky ringspot, and it has mediocre yield. It has high specific gravity and excellent fry color from storage. Strengths: resistance to corky ringspot. Weaknesses: short tuber type and lower yield.

**TC1675-1** - A medium maturing selection from Colorado with short russeted tubers. It resulted from a cross of Russet Nugget and Lemhi Russet. TC1675-1 has mediocre yield with a high proportion of U.S. No. 1 tubers. It has medium to high specific gravity and acceptable fry color from storage. Strengths: high proportion of U.S. No. 1 tubers, attractive tuber type and smooth skin. Weaknesses: short tuber type and low yield.

## **CHIPPING VARIETIES**

### **Named Varieties**

**Atlantic** - A medium maturing, high yielding variety with buff skin and round tuber type. It resulted from a cross of Wauseon and B5141-6. It is used widely as a field delivery chipping variety in the eastern U.S. and elsewhere. Atlantic has high specific gravity and chips well from 50°F storage. Strengths: high yields, high specific gravity, low sugar buildup in storage. Weaknesses: susceptibility to hollow heart, heat necrosis, shatter bruise and storage rots.

**Chipeta** - A late maturing, high yielding variety with buff skin and round tuber type. Chipeta can have very large tubers. It resulted from a cross of WNC612-13 and Wischip. It has high specific gravity and low sugar accumulation in storage. It will occasionally chip out of 45°F storage. Strengths: high yield, low sugar buildup in storage, low incidence of internal problems, and resistance to most field diseases. Weaknesses: irregular shape and large size.

**Ivory Crisp** - A medium maturing, medium to high yielding selection from Oregon with white skin and round tuber type. It resulted from a cross of ND292-1 and A77268-4. It is a potential early chipping selection due to good early yields and high specific gravity. Ivory Crisp has good cold chipping potential. Strengths: ability to chip from 45°F storage, appearance, low incidence of internal problems, high specific gravity, and good reconditioning capability following cold storage. Weaknesses: susceptibility to shatter bruise.

### **Chipping: Experimental Selections**

**A91790-13** – A medium to late maturing, medium to high yielding selection with round white tubers. It resulted from a cross of Chipeta and Ivory Crisp. A91790-13 has excellent chip color out of 40 or 50°F storage. Strengths: high specific gravity, excellent chip color out of storage, and few internal problems. Weakness: adhering stolons and susceptibility to tuber late blight rot.

**A91814-5** – A medium maturing, high yielding selection with oblong white tubers. It resulted from a cross of NDA2031-2 and Ivory Crisp. A91814-5 has high specific gravity and produces good chip color out of storage. A91814-5 was selected primarily to serve the processing-dehydration industry, but may serve the frozen processing and chip industries as well. Strengths: exceptionally high yield, good internal quality, excellent fry color out of storage, and high specific gravity. Weakness: scab susceptibility.

**B0766-3T** – An early maturing, medium yielding selection from the USDA-ARS in Maryland with white, netted, oval tubers. It resulted from a cross of B0243-18 and Coastal Chip. B0766-3 has high specific gravity and produces average chip color from storage. Strengths: good specific gravity, and reconditioning ability. Weaknesses: deep bud ends and susceptibility to hollow heart.

**B1240-1** – A late maturing high yielding selection from USDA-ARS in Maryland with scaley buff oval tubers. It resulted from a cross of B0172-22 and B0186-3. B1240-1 has medium to high specific gravity and produces mediocre chip color out of storage. Strengths: high yield and uniform size profile. Weaknesses: mediocre chip color out of storage.

**CO95051-7W** – A medium maturing average yielding selection with round white tubers. It resulted from a cross of AC88456-6W and BC0894-2. CO95051-7W has high specific gravity and produces excellent chip color out of storage. Strengths: good internal quality and excellent fry color out of storage. Weaknesses: average yield.

**COA96141-2C** – A medium maturing average yielding selection with round white tubers. It resulted from a cross of BCO894-2 and AC3340-2. COA96141-2C has lower specific gravity and produces good chip color out of storage. Strengths: good internal quality and excellent fry color out of storage. Weaknesses: average specific gravity and low yield.

**COA96142-3C** – A medium to early maturing selection with round, white tubers. It resulted from a cross of BCO894-2 and Ivory Crisp. COA96142-3C has very high specific gravity and lower yields than Atlantic. It produces poor chip color from storage. Strengths: high specific gravity. Weaknesses: low yield, poor chip color, and shatter bruise potential.

## **SPECIALTY VARIETIES**

### **Named Varieties**

**All Blue** – A very late maturing, medium to high yielding variety with deep purple skin and flesh. The parentage of this variety is unknown. ‘All Blue’ produces medium to small sized tubers that maintain color after cooking. In short season areas, tuber size can be quite small. Specific gravity is higher than most red varieties. Strengths: attractive deep blue skin and flesh and high yield in long season areas. Weaknesses: very late maturity can lead to low yields and small tuber size.

**Dark Red Norland** – A very early maturing, medium yielding variety with round to oblong shape and dark red skin. It resulted from a cross of Redkote and ND626. It has good eating quality and low specific gravity. Strengths: good combination of early maturity and yield, good eating quality, and wide adaptation. Weaknesses: prone to uneven skin color (pinto) and russetting, short tuber dormancy, and susceptibility to early dying, scab, and growth cracks.

**Red LaSoda** – A light red mutant of La Soda developed by the Louisiana potato breeding program. It resulted from a cross of Triumph and Katahdin. ‘Red LaSoda’ is very high yielding and produces red tubers that are round to oblong with white flesh. Specific gravity is low and red color tends to fade in storage. Strengths: high yield, early size potential. Weaknesses: off-shape tubers, deep eyes and susceptibility to scab.

**Yukon Gold** – A medium yielding, medium maturing variety with oval, white tuber type with yellow flesh. It resulted from a cross of W5279-4 and Norgleam. It is intended primarily for the fresh market and has short dormancy. Strengths: good appearance and resistance to PVA. Weaknesses: short dormancy and mediocre yields.

### **Specialty: Experimental Selections**

**A95074-6** – A medium to late maturing selection with medium yield and long, lightly russetted tubers with yellow flesh. It resulted from a cross of Agria and Summit Russet. It has medium specific gravity and good fry color from cold storage and may be useful for both the fresh and processing markets. Strengths: some resistance to internal defects, good fry color from storage, and attractive yellow flesh. Weaknesses: tubers sometimes have unattractive appearance.

**A96741-1R** – A medium maturing round dark red selection. It resulted from a cross of IdaRose and Mazama. A96741-1R has high yield and good dark red color. It has specific gravity similar to Red LaSoda and good tuber appearance. Strengths: nice tuber appearance and dark red color. Weaknesses: tendency to shatter bruise.

**A96741-2R** – A medium maturing round red selection. It resulted from a cross of IdaRose and Mazama. A96741-2R has average yield and good red color. It has low specific gravity similar to Dark Red Norland and good tuber appearance. Strengths: nice tuber appearance and small tuber size. Weaknesses: tendency to shatter bruise.

**AO93487-2R** – An early maturing round red selection from Oregon. It resulted from a cross of NDO3503-5 and Mazama. AO93487-2R has average yield and good dark red color. It has specific gravity similar to Red LaSoda and good tuber appearance. Strengths: nice tuber appearance and high percent of marketable tubers.

**BTX1544-2W/Y** – A medium maturing selection from Texas with oval white tubers. It resulted from a cross of BO811-13 and Yukon Gold. BTX1544-2W/W has higher yields than Yukon Gold and a very high proportion of U.S. No.1 tubers. Strengths: high proportion of U.S. No.1 tubers. Weaknesses: susceptibility to hollow heart and brown center.

**CO93037-6R** – A late maturing selection from Colorado with round, dark red tubers. It resulted from a cross of CO82177-9 and NDO4030-12. CO93037-6R has mediocre yields and a nice dark red tuber appearance. It has average specific gravity. Strengths: dark red color. Weaknesses: susceptibility to growth cracks and late maturity lends to skinning potential.

**CO94165-3P/P** – An early maturing selection from Colorado with dark purple skin and flesh. It resulted from a cross of ND2008-2 and All Blue. CO94165-3P/P is high yielding, but produces a large proportion of undersized tubers. It produces tubers with a very attractive deep purple skin and uniformly deep purple flesh. Strengths: uniformly deep purple skin and flesh and high yield. Weaknesses: susceptibility to hollow heart.

**CO94183-1R/R** – A medium maturing selection from Colorado with oval, red tubers with creamy white flesh. It resulted from a cross of All Red and ND2109-7. CO94183-1R/R produces yields lower than the commercially available red varieties. Strengths: good red skin color. Weaknesses: low yield and potential for shatter bruise.

**NDA5507-3ID** – Originated as a seedling in North Dakota and was selected in the field at Aberdeen. This round, pink-eyed, yellow-fleshed selection holds promise as a specialty variety. It resulted from a cross of Brodick and Yukon Gold. NDA5507-3Y has early to medium maturity and also has the PVY resistance of its Scottish parent, Brodick. Tuber uniformity and type also are very good. Strengths: attractive pink eyes, good tuber conformity, PVY resistance, and tuber late blight resistance. Weaknesses: low specific gravity and poor chip color from storage.

**NDTX4304-1R** – An early maturing selection from Texas with round, red tubers with white flesh. It resulted from a cross of ND1562-4R and NDTX1068-1. NDTX4304-1R produces good yields with a high proportion of large tubers and very low specific gravity. Strengths: high yield and good red color. Weaknesses: tendency for oversized tubers, poor tuber appearance, and susceptibility to growth cracks.

**VC0967-2R/Y** – A medium to early maturing selection from Colorado with oval tubers with light red skin and yellow flesh. It resulted from a cross of Agria and Redsen. VC0967-2R/Y produces medium to low yields with attractive tubers with a deep yellow flesh. Strengths: good yield of marketable tubers and appealing combination of red skin and yellow flesh. Weaknesses: red skin color is relatively light.

**VC1002-3W/Y** – A medium maturing selection from Colorado with round, white tubers and yellow flesh. It resulted from a cross of Agria and Wischip. VC1002-3W/Y produces higher yields than Yukon Gold, but a very high proportion of undersized tubers. Strengths: deep yellow flesh and resistance to external defects. Weaknesses: high proportion of undersized tubers and high specific gravity may render it unsuitable for boiling.

**VC1009-1W/Y** – A medium maturing selection from Colorado with oblong white tubers with bright yellow flesh. It resulted from a cross of Agria and MN12823. VC1009-1W/Y has high yields and higher specific gravity than Red LaSoda. Strengths: bright yellow flesh. Weaknesses: susceptibility to hollow heart.

**VC1015-7R/Y** – An early maturing selection from Colorado with oval, red tubers with bright yellow flesh. It resulted from a cross of Agria and Chieftan. VC1015-7R/Y has low yields, non-uniform tuber appearance and lower specific gravity than Red LaSoda. Strengths: bright yellow flesh. Weaknesses: low yield.

**VC1075-1R** – A medium maturing selection from Colorado with high yields and round, red tubers. It resulted from a cross of ND1196-2D and Red Ruby. VC1075-1R has similar specific gravity of the common red varieties on the market and the tubers have a creamy-white color. Strengths: excellent marketable yield. Weaknesses: some internal defects.