Potato Variety Options
What’s new, interesting and available in Alberta
Potato Post-Harvest Management Workshops - Lethbridge/Lacombe/Westlock, AB
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Variety Evaluation Trials in Alberta
Variety development has been identified as a priority at the provincial and national levels
Alberta Agriculture has been involved in variety evaluation for over 35 years
We have taken some really creative approaches to acquiring approval and funding

What makes a good table variety?
- good yield of medium sized tubers
- relatively tolerant of environmental fluctuations
- have few defects, and have an attractive appearance
- good skin set
- disease resistance
- nitrogen use efficiency
- excellent storage potential

Fresh Market Varieties
Red

Alta Rose
A dark red-skinned potato with cream flesh and good flavor.
- High yield
- Dark red skin
- Mid-season maturity
- Medium dormancy
- Moderate scab resistance

http://www.albertaseedpotatoinc.com/alta-russet-1-1-1-2

Bordeaux
A unique variety with a deep-red smooth skin. This variety is second early maturing and has qualities that make it suitable for organic.
- Table/fresh, Organic, Baker
- Mid-season maturity
- High yield
- Resistant to blemishes and diseases

http://www.solanum-int.com/potato/bordeaux/
Roko
A mid to late maturing fresh market variety with good yields. Roko tubers are uniform, oval round shaped and have shallow eyes. The skin is smooth, deep red in colour and the flesh colour is white. Cooking type is rather floury and the dry matter content is moderate. Roko has excellent virus resistance.
- Table/fresh, Organic, Baker
- Mid to late season maturity
- High yield
- Resistant to blemishes and diseases

Zina Red
A very attractive variety for the local fresh market. Zina Red is yellow-fleshed with nice dark red, large oval to long oval tubers.
- Table/fresh
- Mid-season maturity
- High yield
- Shorter dormancy; requires sprout inhibitor

Future possibilities
- Poppy (Tuberosum Technologies)
  - Red-skinned, white fleshed
  - Creamer or table potential
- Rosagold (Parkland Seed Potatoes)
  - Red skinned, yellow fleshed
  - Creamer or table potential

Fresh Market Varieties
White

AC Vigor
A new, up-and-coming chipping variety. It’s smooth skin, uniform shape and excellent taste also make it a great choice for the table industry.
- High yield
- Very early maturity
- Good chip colour even after long-term storage
- Resistant to scab

Alta Cloud
- Attractive appearance
- Full season maturity
- High yield
- Medium dormancy
- French fry / Table
Alta Strong
A French-fry / Table potato with an attractive appearance, outstanding yield and a high percentage of marketable tubers. Alta Strong has white skin and white flesh and is well suited for mashed potatoes.
- High yield
- Medium dormancy
- Mid-season maturity
- Similar to Shepody for gravity

https://www.albertaseedpotatoinc.com/alta-russet-1-1-1-1

Bridget
Good yielding medium early, white fleshed French fry variety for the fast-food (QSR) market. Fairly big, uniformly-sized long oval tubers with shallow eyes. Very strong and stable processing properties. Can be grown with high yields on almost all soil types. Good storability.
- Medium early maturity
- Processing, fresh-cut fries, baker
- Good yield
- Medium dormancy


Goldrush
This dark brown russet skin, white flesh variety produces with good texture and excellent flavor making it good for fresh market, baking, and boiling. Tubers are usually smooth and quite uniform with very few external or internal defects, have good storability, and have good resistance to common scab.
- Fresh market, baking, boiling
- Mid-season maturity
- High yield
- Good dormancy

http://www.epg.ab.ca/galleries/varieties/#GOLDRUSH

Imola
A medium early white fleshed, buff skinned variety suitable for fresh market. Tubers are very nice, uniform oval shape with very shallow eyes. Imola has high yield capacity and good pack out.
- Table/Fresh market
- Mid-season
- High yield
- Buff skin, white flesh
- Good Dormancy

http://www.epg.ab.ca/galleries/varieties/#IMOLA

Pacific Russet
A new earlier maturing fresh market Russet potato that will strongly compete for marketplace favor with Russet Norkotah and Goldrush.
- Early season maturity
- Long dormancy
- High yield
- Resistant to verticillium wilt, scab, secondary growth

https://www.albertaseedpotatoinc.com/alta-russet

Future possibilities
- Volare (Parkland Seed Potatoes)
  - Round, white fresh market
  - Very high yield
  - Short-term storage
Fresh Market Varieties

**Yellow**

**Arizona**
Arizona produces exceptionally high yields of large, uniform tubers which make it perfectly suited for the main market category. This early-maturing, fresh market variety has smooth yellow skin and light-yellow flesh, grows in almost all soil types, and has great heat tolerance.

- Fresh market
- Medium early maturity
- High average yield
- Medium dormancy


**Barcelona**
Barcelona is a beautiful long-oval variety that produces high yields of large uniform tubers. It has both a light yellow skin color and a light yellow flesh color.

- Table/fresh, Organic
- High yield
- Good dormancy


**Citadel**
A high yielding, high-setting variety with superior skin finish. Tubers are round-oval in shape with waxy yellow skin, yellow flesh and shallow eyes. Citadel is a great fresh market potato with exceptional taste and firm cooking qualities.

- Salad, Fresh market
- Mid-early maturity
- High average yield
- Long dormancy


**Columba**
This versatile spud is fantastic & fresh, making it ideal for creating the most delicious dishes for you and your friends. It is a round to oval shaped, yellow fleshed potato variety that is an excellent multi-purpose kitchen staple. It can be distinguished from other varieties by its exceptional taste and texture.

- Early maturing
- High yielding
- Uniform
- Scab resistant
- Award winner in Ontario trials


**Connect**
A nice yellow skinned, yellow fleshed potato. Connect is a high yielding variety, that has medium sized, round oval tubers with shallow eyes and a smooth skin. It is also highly suited for organic purposes due to its resistance to Phytophthora.

- Table/fresh, Organic
- Medium-late maturity
- High yield
- Resistant to Phytophthora

Innovator
A tasty russet skinned variety with medium maturity. Innovator is an excellent variety for boiling, baking and French frying. Innovator has a remarkable good flavor. Stable dry matter content. The ability to recondition from long term storage makes this an ideal variety for the processing industry.
- French fry, baking
- Medium maturity
- High yield
- Good dormancy

Lady Amarilla
An early maturing, deep-yellow fleshed frying variety. This variety has excellent storage capabilities which allow it to be stored for extended periods of time without compromising frying quality. Lady Amarilla has also been used for organic applications and it has some heat and drought tolerance.
- Processing, Organic
- Full-season maturity
- High yield
- Great storage variety
http://www.solanum-int.com/potato/lady-amarilla/

Melody
A robust, high-yielding table variety with a high pack-out. It has a smooth yellow skin and yellow flesh. Melody has an excellent taste and texture and can be used for boiling, baking, pan-frying and microwaving.
- Table/fresh
- Mid-season maturity
- High yield
- Great storage variety, resistant to bruising
http://www.solanum-int.com/potato/melody/

Miss Malina
A high-yielding French-fry and restaurant potato with an excellent set of resistances, making it an optimal variety for organic production.
- French-fry / Table
- Medium maturity
- High yield
- High dormancy
- Resistant to scab, PVY, PCN, PLRV, blight, internal rust spot and bruising
http://rockyviewtubers.ca/varieties_det.asp?vid=41#itemdetails

Noblesse
An HZPC variety with light yellow skin and dark yellow flesh. Noblesse is a firm cooking type with uniform tuber shape and size.
- Yellow Skin, Yellow Flesh
- Mid-season
- Good dormancy
https://hzpc-uk.sites.kirra.nl/potatoes/varieties/noblesse?variety_id=715

Orchestra
This variety produces big yields of uniform, attractive tubers that are perfect for baking, and ideal for potato salad. Orchestra will store for months.
- Maincrop
- Yellow skin, yellow flesh
- Good for salad and baking
- Good dormancy
http://www.epg.ab.ca/galleries/varieties/#ORCHESTRA
Satina
An early to mid-season German variety with high yields and resistance to rhizoctonia, blackleg, scab and hollow heart.
- Medium early maturity
- Medium dormancy
- High yield
- Lutein
- Organic potential
- Yellow skin, yellow flesh

http://www.solana.de/kartoffelsorten-detail_en/items/satina.html

Queen Anne
An early maturing variety with a high marketable yield. This variety produces yellow fleshed tubers with a smooth, bright-yellow skin. Among other qualities, Queen Anne shows excellent resistances to Rhizoctonia, bruising and common scab.
- Table/fresh, Gourmet
- Early harvest
- High yield
- Good dormancy

http://www.solanum-int.com/potato/queen-anne/

Fresh Market Varieties
Novelty

Violet Queen
This early to mid-season purple skin, purple flesh specialty variety produces long oval tubers with remarkably normal flavour despite its colour. It is primarily sold in the retail fresh sector and has a slightly firm cooking type. The tubers are small and slow to emerge, and have good storability. Violet Queen are fairly resistant to common scab.
- Table/fresh
- Purple skin, purple flesh
- Early to mid-season
- Good dormancy

https://www.edmontonpotatogrowers.com/varieties

Fresh Market Varieties
Creamers

Little Giant
A medium early maturing/yielding, red skinned yellow fleshed variety, suitable for production of creamers. This variety can fall into the fingerling category due to its long-oval shape and very high set.
- High set, specialty table/fresh
- Mid-season maturity
- Medium yield
- Good dormancy

http://www.solanum-int.com/potato/little-giant/
Lollipop
A new red-skinned creamer variety with high-set and outstanding skin finish. This mid-season white fleshed variety works well for the production of creamers as well as B’s. Lollipop has a long dormancy.
- High set, specialty table/fresh
- Mid-season maturity
- Medium yield
- Good dormancy

http://www.solanum-int.com/potato/lollipop/

Red Apple
A beautiful deep red-skinned variety with a pale yellow flesh colour. Red Apple is a second early maturing variety with a fairly high set. This high-yielding variety has a wonderful taste and a refined texture.
- High set, specialty, table/fresh, organic
- Mid-season maturity
- High yield
- Good dormancy

http://www.solanum-int.com/potato/red-apple/

Red Snapper
A high set specialty variety very suitable for creamer production. This excellent tasting potato has a uniform oval shape, with a nice smooth red skin and shallow eyes. Red Snapper is a fairly early maturing variety.
- High set, specialty, table/fresh
- Early maturity
- Medium-high yield
- Good dormancy

http://www.solanum-int.com/potato/red-snapper/

Penni
A variety that produces a small, sized, uniform tuber with a very high tuber set. These characteristics make it excellent for the creamer potato market.
- Early maturing
- High tuber set
- Good dormancy
- Resistant to scab, Rhizoc, black leg, internal rust spot, blight, PVY and PLRV

http://rockyviewtubers.ca/varieties_det.asp?vid=29#itemdetails

Yellow Star
A high-yielding, high-setting variety with exceptional skin finish. Tubers are round-oval with yellow flesh, bright, waxy skin and shallow eyes. Yellow Star is an excellent fresh table potato that is ideally suited to the creamer-size market.
- Medium early maturing
- High tuber set
- Medium dormancy
- High yield


Future possibilities:
- Anouk (Parkland Seed Potatoes)
- Bellanita – fingerling (Parkland Seed Potatoes)
Value Chain Approach

- Breeding Program
- Potential Introductions
- Host site for industry evaluations
- Accelerated Release
- Agronomic Assessments
- Fertility
- Spacing
- Maturity

Thank you!
Questions?

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Growing Forward

Canadian Crop Council
Conseil canadien de l’horticulture