Canadian & European Varieties for the Fresh Market

Eugenia Banks, Potato Specialist
Ontario Ministry of Ag (retired), Ontario Potato Board
My demo-trials are in growers’ fields. Fields are planted in early May, irrigated when necessary. Pests are controlled.
Mostly white flesh. Susceptible to Golden Nematode. Not common scab resistant.

Canadian Potato Varieties

ENVOL
CHALEUR
AUGUST BEAUTY
KALMIA
Early maturity: matures at least 10 days earlier than Superior.
Smooth skin, white flesh
Round to oval attractive tubers
Medium dry matter 1.073
Medium marketable yield
Good storability

CAUTION: Susceptible to PVYntn
Susceptible to Golden Nematode
AC CHALEUR

Bred by Hielke de Jong
TUBERS

- Smooth, buff skin
- White flesh
- Round to oval
- Shallow eyes
- Sizes well
- Harvest - 70-80 days
- Medium to high yield

Susceptible to Golden Nematode

No internal defects detected.
AUGUST BEAUTY

- Round tubers with smooth, white skin.
- White flesh.
- High dry matter  SG: 1.080
- Good storability.
- Internal defects not detected

Susceptible to Golden Nematode
KALMIA

- Early fresh market: Matures in 90 days.
- Creamy white flesh, beige skin.
- Sizes well, tubers can get large.
- No hollow heart or internal brown spot detected.
- Evaluated only for 2 years in Ontario.
- Needs more field testing.

**Susceptible to Golden Nematode**

Seed: La Patate Lac St Jean
European Varieties

Most are yellow-fleshed
Resistant to Golden Nematode

| COLOMBA   |
| AMBRA     |
| VIVALDI   |
| FABULA    |
| SATINA    |
| AGATA     |
| ELECTRA   |
COLOMBA

- Medium early, short dormancy!
- Attractive, oval tubers
- Very smooth skin, yellow flesh
- Sizes well, no hollow heart
- Low dry matter S.G. 1.065
- Tasty!
- Very high yield (600 cwt in 2014!)
- Needs wide hills to minimize protruding tubers
AMBRA

- Matures earlier than Yukon Gold
- Yellow, smooth skin
- Yellow flesh
- S.G: 1.068, very tasty
- Medium yield
- Resistant to Golden Nematode Ro1

Only whole seed should be planted because eyes are concentrated on the bud end!
VIVALDI

- Medium late maturity
- High marketable yield
- Needs wide hills to “accommodate” large number of tubers
- No hollow heart or internal brown spot detected
- Medium dry matter  S.G. is 1.070
- Very tasty, consumers like it!
- Grown for 10 years in Ontario
FABULA

- Oval to oblong tubers, yellow flesh.
- Low set. Tubers size well.
- Tuber size should be monitored closely.
- Tends to produce jumbos.
- Plants are small. Low N requirement.
- Medium-early maturity.
- Very low dry matter.
- Skin could be flaky.

Resistant to Golden Nematode
• Round tubers.
• Deep yellow flesh.
• Medium-late maturity.
• Highly resistant to scab.
• High yield.
• Resistant to golden Nematode  Ro1

Road-map skin defect
Second growth developed in hot summers
AGATA

- Oval tubers with smooth, shiny skin.
- Yellow flesh. No internal defects detected.
- High yield.
- Medium-early maturity.
- Low dry matter content, but tasty.
- Very susceptible to common scab.
- Grown successfully in Ontario for several years.

Resistant: Golden nematode Ro1
Low glycemic index foods digest slowly, without creating a big spike of sugar and insulin in the body. LGI food helps in the management of diabetes

- AAC HAMER
- NICOLA
- STAMPEDE RUSSET
AAC HAMER

Low glycemic potato
Mid-season maturity
Medium to small tubers
Smooth skin
White flesh
NICOLA

- In clinical tests reduced potato glycemic spike by 50%.
- Long tubers, yellow flesh.
- Maturity is medium late.
- Specific Gravity is 1.075
- No internal defects detected.
2-year Evaluation
Norika varieties:

- TALENT
- SORAYA
- AGILA
- ALEGRIA

Seed Source: Higgins Farms, Wisconsin
TALENT

- Oblong-long tubers of medium size
- Yellow flesh
- Medium maturity
- High yield

Resistant to Golden Nematode Ro1
SORAYA

- Oval-oblong tubers.
- Hollow heart not detected.
- Dark yellow flesh.
- High yield.
- Low N requirement.
- Tolerant to common scab.
- Resistant to Golden Nematode Ro1
AGILA: High yield, long tubers, yellow flesh, med. late maturity
ALEGRIA

- Long tubers of medium–large size.
- Yellow flesh
- High yield
- Maturity similar to Yukon Gold
- Resistant to Golden Nematode Ro1 and Ro4
• Evaluate new varieties in a small area
• Cut many tubers. Internal defects may go unnoticed.
• A 3-yr evaluation should provide a good indication of variety performance.
• Most Canadian varieties are white fleshed.
• Most European varieties are yellow fleshed and resistant to golden nematode

THANK YOU
eugeniabanks@onpotato.ca