

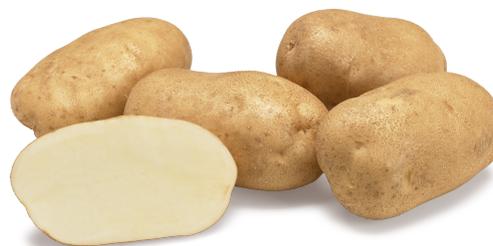
Prince.



Processing

Prince is a white fleshed processing variety with an excellent yield and suitable for the French fries industries.

- ▶ **Market outlet: chipping & processing**
- ▶ **High yielding**
- ▶ **Good frying quality**
- ▶ **Suitable for long term storage**



characteristics

General characteristics

Breeder: Lantmännen Seed B.V.
 Crossing: ARG 96-0738 x SW 98-2723
 Breedersright: 31-12-2049
 Seedling: SW 08-1984

Plant and tuber characteristics

Maturity: maincrop / 5
 Light sprout colour: red violet / RV
 Flower colour: light purple / LP
 Number of berries: very high / 4
 Foliage - initial development: quite fast / 7
 Foliage - final development: good / 8
 Foliage - firmness: quite firm / 7,5
 Foliage - selectability: quite easy / 7
 Skin colour: yellow / Y
 Flesh colour: white / 4,5
 Skin finish: quite poor / 5
 Tuber shape: oval long / OL
 Regularity of tuber shape: quite regular / 6,5
 Tuberisation: average / 6
 Tuber size: large / 8
 Regularity of size: regular / 7
 Dormancy: long / 8

Sensitivity and quality

Secondary growth: quite sensitive / 6,5
 Black spot (internal bruising): quite sensitive / 6,5
 Growth cracks: slightly sensitive / 7
 Harvest damage: sensitive / 5
 Metribuzin - pre-emergence: quite sensitive / 6,5
 Metribuzin - post-emergence: quite sensitive / 6,5
 Bentazon: - / -
 Ethylene: 5% fewer tubers / 4
 Underwater weight: 433
 Dry matter content: 23,3%
 Cooking type: floury / C
 Discolouration after cooking: slightly sensitive / 7,5
 Raw discolouration: quite sensitive / 6
 Fries quality: excellent / 8
 Dry matter distribution: good / 7
 Crisping quality: good / 7
 TGA-level: 7,1
 Carvone oil: 15% to 25% more tubers / 7
 Dormancy: long / 8



How to grow

Fertilization and seed treatment ¹

Nitrogen: standard advice.

Phosphate: standard advice.

Potassium: standard advice + 25%.

Seed treatment

Desprouting can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 23 cm (58.000 plants/ha)

35/55 mm: 32 cm (42.000 plants/ha)

50/55 mm: 38 cm (35.000 plants/ha)

Weeds

A standard use of metribuzin (Sencor), before or after emerge, doesn't give foliage reaction or yield reduction.

Fungicides

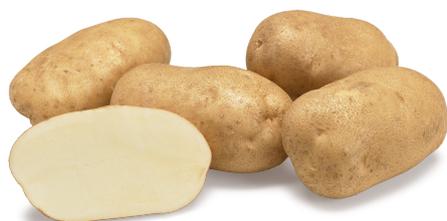
A strict preventive spraying schedule against late blight is necessary.

Harvest

Due to its sensitivity scores for black spot and/or harvest damage, wait at least three weeks after haulm killing before harvest.

Storage temperature - Storage time

Preferred storage temperature is 5 °C. For processing purposes, do not store below 7 °C. Suitable for long term storage.



Resistances

Virus - Leaf roll: - / -

Virus - Yn: very susceptible / 4,5

Virus - Yntn (tuber): slightly to not susceptible / 8,5

Spraing: slightly susceptible / 6

Late blight - foliage: susceptible / 5

Late blight - tuber: slightly susceptible / 6,5

Fusarium: slightly susceptible / 7

Common scab: very susceptible / 4,5

Powdery scab: slightly susceptible / 7

Virus - A: - / -

Say potato,
say **Agrico.**

Virus - X: - / -

Black dot: slightly to not susceptible / 8

Erwinia: - / -

Wart disease F1: - / -

Wart disease F6: - / -

Wart disease F18: - / -

Golden nematode Ro 1/4: field resistant / 8

Golden nematode Ro 2/3: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -