

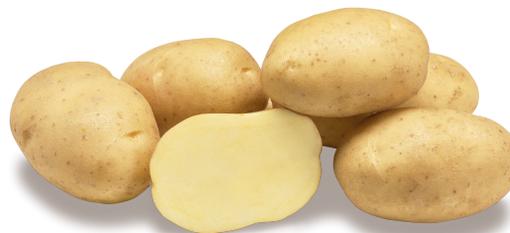
Palace.



Processing

Palace is a high yielding maincrop packing and processing variety, suitable to be grown on different soil types.

- ▶ **Market outlet: chipping, processing & packing**
- ▶ **Maturity: maincrop**
- ▶ **High dry matter**
- ▶ **Good virus resistance**



characteristics

General characteristics

Breeder: Agrico Research B.V.
 Crossing: AR 01-3350 x ADD 93-20902
 Breedersright: 31-12-2049
 Seedling: AR 08-4241

Plant and tuber characteristics

Maturity: maincrop / 4,5
 Light sprout colour: green red / GR
 Flower colour: purple / P
 Number of berries: very high / 4
 Foliage - initial development: quite fast / 7,5
 Foliage - final development: good / 8
 Foliage - firmness: quite firm / 7,5
 Foliage - selectability: average / 6,5
 Skin colour: yellow / Y
 Flesh colour: light yellow / 6
 Skin finish: average / 6
 Tuber shape: oval / O
 Regularity of tuber shape: regular / 7
 Tuberisation: average / 6
 Tuber size: quite large / 7,5
 Regularity of size: quite regular / 6,5
 Dormancy: quite short / 5

Sensitivity and quality

Secondary growth: quite sensitive / 6
 Black spot (internal bruising): quite sensitive / 6
 Growth cracks: quite sensitive / 6,5
 Harvest damage: sensitive / 5
 Metribuzin - pre-emergence: quite sensitive / 6
 Metribuzin - post-emergence: quite sensitive / 6
 Bentazon: - / -
 Ethylene: 5% to 15% more tubers / 6
 Underwater weight: 430
 Dry matter content: 23,2%
 Cooking type: floury / C
 Discolouration after cooking: slightly sensitive / 7
 Raw discolouration: quite sensitive / 6
 Fries quality: excellent / 8
 Dry matter distribution: average / 6
 Crisping quality: average / 6
 TGA-level: 13,1
 Carvone oil: 25% more tubers / 8
 Dormancy: quite short / 5



How to grow

Fertilization and seed treatment ¹

Nitrogen: standard advice - 25%.

Phosphate: standard advice.

Potassium: standard advice + 25%.

Seed treatment

Desprouting more than once can have a negative impact on yield and size regularity. A short heat shock or proper pre-sprouting is recommended.

Planting distance

28/35 mm: 25 cm (54.000 plants/ha)

35/50 mm: 33 cm (40.000 plants/ha)

50/55 mm: 39 cm (33.000 plants/ha)

Weeds

A standard use of metribuzin (Sencor), before or after emerge, can give some foliage reaction, but rarely any 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 medium to long term storage.



Resistances

Virus - Leaf roll: - / -

Virus - Yn: slightly susceptible / 7,5

Virus - Yntn (tuber): slightly susceptible / 6

Spraing: susceptible / 5,5

Late blight - foliage: susceptible / 5

Late blight - tuber: slightly susceptible / 6,5

Fusarium: susceptible / 5,5

Common scab: slightly susceptible / 6

Powdery scab: slightly susceptible / 7,5

Virus - A: - / -

Say potato,
say **Agrico.**

Virus - X: - / -

Black dot: susceptible / 5

Erwinia: - / -

Wart disease F1: - / -

Wart disease F6: - / -

Wart disease F18: - / -

Golden nematode Ro 1/4: - / -

Golden nematode Ro 2/3: - / -

White nematode Pa 2: susceptible / 2

White nematode Pa 3: susceptible / 2