

Palace.

Maincrop, high yielding processing potato variety for the French fries industry which is suitable for different soil types.

- ▶ **High dry matter content**
- ▶ **Large tubers**
- ▶ **Nice skin finish**



Processing
French fries
Flakes



Retail
Fresh



Traditional



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
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


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How to grow

Fertilization 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)

¹ Level of fertilization is based on soil analysis.

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 two weeks after haulm killing before harvest.

Storage - .

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

Say potato,
say **Agrico.**

Powdery scab: slightly susceptible / 7,5

Black dot: susceptible / 5

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