

Carolus.

An early maincrop, multipurpose ware variety with attractive red eyes and resilient to late blight in foliage and tuber.



Organic



Retail
Fresh



Traditional

- ▶ **Multipurpose variety**
- ▶ **High dry matter content**
- ▶ **Floury cooking**



characteristics

General characteristics

Breeder: Agrico Research B.V.
 Crossing: AGRIA x AR 00-94-17
 Breedersright: 31-12-2043
 Seedling: AR 02-3225

Plant and tuber characteristics

Maturity: early maincrop / 6
 Light sprout colour: blue violet / BV
 Flower colour: purple / P
 Number of berries: very high / 4
 Foliage - initial development: average / 6
 Foliage - final development: good / 8
 Foliage - firmness: firm / 8
 Skin colour: yellow with red eyes / Y/R
 Flesh colour: yellow / 7
 Skin finish: good / 7
 Tuber shape: oval / O
 Regularity of tuber shape: regular / 7
 Tuberisation: average / 6
 Tuber size: quite large / 7
 Regularity of size: regular / 7
 Dormancy: average / 6,5

Sensitivity and quality

Secondary growth: slightly sensitive / 7
 Black spot (internal bruising): quite sensitive / 6
 Growth cracks: sensitive / 5,5
 Harvest damage: sensitive / 5,5
 Metribuzin - pre-emergence: very sensitive / 4,5
 Metribuzin - post-emergence: quite sensitive / 6
 Bentazon: quite sensitive / 6
 Ethylene: 15% to 25% more tubers / 7
 Underwater weight: 398
 Dry matter content: 21,6%
 Cooking type: floury / BC
 Discolouration (after cooking): quite sensitive / 6
 Raw discolouration: slightly sensitive / 7
 Fries quality: good / 7
 Dry matter distribution: excellent / 8
 Crisping quality: good / 7
 TGA-level: 5,4



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How to grow

Fertilization ¹

Nitrogen: standard advice + 10%.

Phosphate: standard advice.

Potassium: standard advice + 15%.

Seed treatment

A short heat shock or proper pre-sprouting is recommended. Preferably plant the tubers into warm soil, as the initial development of this variety is slow. Desprouting can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 20 cm (66.500 plants/ha)

35/55 mm: 27 cm (49.000 plants/ha)

¹ Level of fertilization is based on soil analysis.

Weeds

Do not use metribuzin (Sencor), as it gives a severe foliage reaction and a serious yield reduction.

Fungicides

Despite the late blight resistance, remain alert for infections.

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 term storage.



Resistances

Virus - Leaf roll: - / -

Virus - Yn: slightly susceptible / 7

Virus - Yntn (tuber): slightly susceptible / 7

Spraing: slightly susceptible / 6

Late blight - foliage: slightly to not susceptible / 9

Late blight - tuber: slightly to not susceptible / 9

Fusarium: slightly susceptible / 6

Common scab: susceptible / 5

Say potato,
say **Agrico.**

Powdery scab: susceptible / 5

Black dot: slightly susceptible / 6

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -

Golden nematode Ro 1/4: - / -

Golden nematode Ro 2/3: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -