

Carolus.

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

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



Organic



Retail
Fresh



Traditional



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



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)

Weeds

After emerge, don't 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: - / -