CULTIVATION RECOMMENDATION

Carolus.

An early maincrop, multipurpose organic ware potato variety with attractive red eyes and resilient to late blight 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

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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)

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 ºC. For processing purposes, do not store below 7 ºC. Suitable for medium term storage.

Say potato, say Agrico.

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
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: - / -

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