

Rudolph.



Traditional

An early maincrop ware variety with an attractive red skin, a good heat tolerance and a very high yield.

- ▶ **White flesh colour**
- ▶ **Large tubers**
- ▶ **Good storability**



characteristics

General characteristics

Breeder: Agrico Research B.V.
 Crossing: CHIEFTAIN x STIRLING
 Breedersright: 31-12-2035
 Seedling: UK 93-1-2

Plant and tuber characteristics

Maturity: early maincrop / 5,5
 Light sprout colour: red violet / RV
 Flower colour: light purple / LP
 Number of berries: average / 6
 Foliage - initial development: average / 6
 Foliage - final development: good / 8
 Foliage - firmness: firm / 8
 Skin colour: red / R
 Flesh colour: white / 4
 Skin finish: good / 7
 Tuber shape: oval round / OR
 Regularity of tuber shape: quite regular / 6
 Tuberisation: quite low / 5
 Tuber size: large / 8
 Regularity of size: regular / 7
 Dormancy: quite long / 7

Sensitivity and quality

Secondary growth: quite sensitive / 6,5
 Black spot (internal bruising): slightly sensitive / 7
 Growth cracks: quite sensitive / 6
 Harvest damage: quite sensitive / 6
 Metribuzin - pre-emergence: slightly to not sensitive / 8
 Metribuzin - post-emergence: slightly sensitive / 7,5
 Bentazon: - / -
 Ethylene: 5% to 15% more tubers / 6
 Underwater weight: 376
 Dry matter content: 20,5%
 Cooking type: rather firm / AB
 Discolouration (after cooking): quite sensitive / 6,5
 Raw discolouration: - / -
 Fries quality: above average / 6,5
 Dry matter distribution: - / -
 Crisping quality: below average / 5,5
 TGA-level: 5,5



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How to grow

Fertilization ¹

Nitrogen: standard advice + 5%. Preferably as split application, second treatment shortly after tuberization.

Phosphate: standard advice.

Potassium: standard advice + 10%.

Seed treatment

A short heat shock or proper pre-sprouting is recommended. Proper pre-sprouting after taking off the top sprout can give a positive result on the tuber set. Desprouting once is optional.

Planting distance

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

35/55 mm: 33 cm (40.000 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 and some 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 -

Preferred storage temperature is 5 °C. For processing purposes, do not store below 7 °C. Suitable for long term storage.



Resistances

Virus - Leaf roll: - / -

Virus - Yn: susceptible / 5

Virus - Yntn (tuber): slightly susceptible / 7

Spraing: slightly susceptible / 7

Late blight - foliage: susceptible / 5,5

Late blight - tuber: susceptible / 5,5

Fusarium: slightly susceptible / 6

Common scab: susceptible / 5

Say potato,
say **Agrico.**

Powdery scab: slightly susceptible / 7

Black dot: slightly susceptible / 7

Wart disease F1: resistant / 10

Wart disease F6: moderately susceptible / 8

Wart disease F18: - / -

Golden nematode Ro 1/4: - / -

Golden nematode Ro 2/3: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -