CULTIVATION RECOMMENDATION

Nirvana.

An early maincrop processing ware potato variety suitable for the French fries industry with late blight resistance in foliage and tuber.

- **High dry matter content**
- **Good dry matter distribution**
- **Late blight resistance**

Organic

Processing
French fries



characteristics

General characteristics

Breeder: Agrico Research B.V.
Crossing: CAROLUS x PERFORMER
Breedersright: 31-12-2051
Seedling: AR 10-2460

Plant and tuber characteristics

Maturity: early maincrop / 5,5
Light sprout colour: red / R
Flower colour: purple / P
Number of berries: below average / 6,5
Foliage - initial development: quite fast / 7,5
Foliage - final development: good / 8
Foliage - firmness: firm / 8
Skin colour: yellow / Y
Flesh colour: yellow / 7
Skin finish: quite poor / 5
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: long / 8

Sensitivity and quality

Secondary growth: quite sensitive / 6
Black spot (internal bruising): quite sensitive / 6,5
Growth cracks: slightly sensitive / 7
Harvest damage: sensitive / 5
Metribuzin - pre-emergence: sensitive / 5,5
Metribuzin - post-emergence: slightly sensitive / 7
Bentazon: - / -
Ethylene: 25% more tubers / 8
Underwater weight: 422
Dry matter content: 22,8%
Cooking type: floury / BC
Discolouration (after cooking): quite sensitive / 6,5
Raw discolouration: sensitive / 5
Fries quality: good / 7
Dry matter distribution: excellent / 8
Crisping quality: average / 6
TGA-level: 4,85

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How to grow

Fertilization [1]

Nitrogen: standard advice.
Phosphate: standard advice.
Potassium: standard advice + 25%.

Seed treatment

Proper pre-sprouting after taking off the top sprout can give a positive result on the tuber set.

Planting distance

28/35 mm: 25 cm (54.000 plants/ha)
35/55 mm: 30 cm (45.000 plants/ha)
50/55 mm: 40 cm (33.000 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 three weeks after haulm killing before harvest.

Storage - .

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



Say potato, say Agrico.

Resistances

Virus - Leaf roll: - / -
Virus - Yn: susceptible / 5,5
Virus - Yntn (tuber): susceptible / 5,5
Spraing: susceptible / 5,5
Late blight - foliage: slightly to not susceptible / 9
Late blight - tuber: slightly to not susceptible / 9
Fusarium: slightly to not susceptible / 8
Common scab: susceptible / 5
Powdery scab: slightly to not susceptible / 8
Black dot: susceptible / 5,5
Wart disease F1: very susceptible / 1
Wart disease F6: - / -
Wart disease F18: - / -
Golden nematode Ro 1/4: - / -
Golden nematode Ro 2/3: - / -
White nematode Pa 2: moderately susceptible / 5
White nematode Pa 3: susceptible / 2

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