

Nirvana.

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



Organic



Processing
French fries

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



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

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 °C. Suitable for medium to long term storage.



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

Say potato,
say **Agrico.**

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