

# 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 <sup>1</sup>

**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.



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