

Next Generation potential

Nirvana (AR 10-2460).

An early maincrop processing variety suitable for the French fries industry, with late blight resistance

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

MARKET SEGMENT

O
Organic
cultivation

P
Processing
French fries

**CHARACTERISTICS****General characteristics**

Breeder: Agrico Research B.V.

Crossing: CAROLUS x PERFORMER

Seedling: AR 10-2460

Breeder rights: Pending

Plant and tuber characteristics

Maturity: early maincrop / 5,5

Light sprout colour: red

Flower colour: purple

Number of berries: above average / 6,5

Foliage: - initial development: quite fast / 7,5

Foliage: - final development: good / 8

Foliage: - selectability: quite easy / 7

Foliage: - plant firmness: firm / 8

Flesh colour: yellow / 7

Skin colour: yellow

Skin finish: quite poor / 5

Tuber size: quite large / 7,5

Tuber shape: oval

Regularity of tuber shape: regular / 7

Tuberisation: average / 6

Regularity size: quite regular / 6,5

Sensitivity and quality

Dormancy: long / 8

Metribuzin: sensitive / 5

Bentazon: - / -

Ethylene: - / -

Secondary growth: quite sensitive / 6

Growth cracks: slightly sensitive / 7

Black spot (internal bruising): quite sensitive / 6,5

Harvest damage: sensitive / 5

Underwater weight: 422

Dry matter content: 22,8%

Dry matter distribution: excellent / 8

TGA - level: 3,5

Crisping quality: average / 6

Fries quality: good / 7

Cooking type: floury / BC

Raw discolouration: sensitive / 5

Discolouration after cooking: quite sensitive / 6,5

HOW TO GROW

Fertilization¹

Nitrogen: standard advice.

Phosphate: standard advice.

Potassium: standard advice + 25%.

¹ Level of fertilization is based on soil analysis

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

Golden nematode Ro 1/4: susceptible* / 3*

Golden nematode Ro 2/3: - / -

White nematode Pa 2: moderately susceptible / 5

White nematode Pa 3: susceptible* / 3*

Late blight-foliage: slightly to not susceptible / 9

Late blight-tuber: slightly to not susceptible / 9

Common scab: susceptible / 5

Powdery scab: - / -

Fusarium: slightly to not susceptible / 8

Erwinia: - / -

Black dot: - / -

Spraing: susceptible / 5,5

Virus - Leaf Roll: - / -

Virus - A: - / -

Virus - X: - / -

Virus - Yn: susceptible / 5,5

Virus - Yntn: - / -

Wart disease F1: very susceptible / 1

Wart disease F6: - / -

Wart disease F18: - / -

* Results marked with an asterisk (*) are based on our own research, and are not yet officially published