

Napoleon (AR 10-4637).

MARKET SEGMENT

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Processing
Flakes, Crisps

Maincrop crisping variety with a good uniformity of size and a high dry matter content.

- ▶ Good crisping quality
- ▶ Suitable for the processing of flakes
- ▶ Good virus resistances



CHARACTERISTICS

General characteristics

Breeder: Agrico Research B.V.
Crossing: ANTINA x ALICANTE
Seedling: AR 10-4637
Breeder rights: Pending

Plant and tuber characteristics

Maturity: maincrop / 5
Light sprout colour: red violet
Flower colour: white
Number of berries: none / 4
Foliage: - initial development: quite fast / 7
Foliage: - final development: good / 8
Foliage: - selectability: average / 6,5
Foliage: - plant firmness: quite firm / 7,5

Flesh colour: light yellow / 6,5

Skin colour: yellow

Skin finish: quite poor / 5

Tuber size: quite large / 7,5

Tuber shape: round oval

Regularity of tuber shape: regular / 7

Tuberisation: average / 6

Regularity size: regular / 7

Sensitivity and quality

Dormancy: average / 6
Metribuzin: slightly to not sensitive / 8
Bentazon: - / -
Ethylene: - / -

Secondary growth: quite sensitive / 6,5

Growth cracks: quite sensitive / 6

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

Harvest damage: quite sensitive / 6,5

Underwater weight: 450

Dry matter content: 24,1%

Dry matter distribution: good / 7

TGA - level: 5,5

Crisping quality: excellent / 8

Fries quality: good / 7

Cooking type: floury / BC

Raw discolouration: quite sensitive / 6

Discolouration after cooking: quite sensitive / 6

HOW TO GROW

Fertilization¹

Nitrogen: standard advice + 5%.

Phosphate: standard advice.

Potassium: standard advice + 20%.

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: 25cm (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, a standard use of metribuzin (Sencor) doesn't give foliage reaction or yield reduction.

Fungicides

A preventive spraying schedule against late blight is advised.

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 9 °C. Suitable for medium to long term storage.



Say potato,
say **Agrico.**

Resistances

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: - / -

White nematode Pa 2: susceptible / 4

White nematode Pa 3: - / -

Late blight-foliage: slightly susceptible / 6

Late blight-tuber: slightly susceptible / 7,5

Common scab: slightly susceptible / 6

Powdery scab: - / -

Fusarium: slightly susceptible / 6,5

Erwinia: - / -

Black dot: - / -

Spraing: very susceptible / 4

Virus - Leaf Roll: - / -

Virus - A: - / -

Virus - X: - / -

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn: - / -

Wart disease F1: moderate susceptible* / 7*

Wart disease F6: - / -

Wart disease F18: - / -

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