

Arsenal.

An early maincrop, crisping potato variety with extensive resistances to potato cyst nematodes and a good yield.



Processing
Crisps
Flakes

- ▶ **Multiple resistances**
- ▶ **Suitable for crisping and flakes**
- ▶ **High dry matter content**



characteristics

General characteristics

Breeder: Agrico Research B.V.
Crossing: AR 92-1146 x SILVESTER
Breedersright: 31-12-2040
Seedling: AR 98-0851

Plant and tuber characteristics

Maturity: early maincrop / 5,5
Light sprout colour: blue violet / BV
Flower colour: white / W
Number of berries: very high / 4
Foliage - initial development: average / 6,5
Foliage - final development: average / 7
Foliage - firmness: quite firm / 7
Skin colour: yellow / Y
Flesh colour: light yellow / 6
Skin finish: quite poor / 5
Tuber shape: round oval / RO
Regularity of tuber shape: quite regular / 6,5
Tuberisation: quite high / 7
Tuber size: quite large / 7
Regularity of size: quite regular / 6,5
Dormancy: quite short / 5

Sensitivity and quality

Secondary growth: slightly sensitive / 7
Black spot (internal bruising): quite sensitive / 6
Growth cracks: sensitive / 5
Harvest damage: slightly sensitive / 7
Metribuzin - pre-emergence: slightly sensitive / 7,5
Metribuzin - post-emergence: slightly sensitive / 7,5
Bentazon: slightly sensitive / 7,5
Ethylene: - / -
Underwater weight: 447
Dry matter content: 24%
Cooking type: floury / BC
Discolouration (after cooking): quite sensitive / 6
Raw discolouration: quite sensitive / 6,5
Fries quality: very good / 7,5
Dry matter distribution: good / 7,5
Crisping quality: good / 7
TGA-level: 4,1


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How to grow

Fertilization ¹

Nitrogen: standard advice.
Phosphate: standard advice.
Potassium: standard advice + 10%.

Seed treatment

Proper pre-sprouting after taking off the top sprout can give a positive result on the tuber set. Desprouting more than once can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 25 cm (54.000 plants/ha)
 35/50 mm: 30 cm (45.000 plants/ha)

Weeds

A standard use of metribuzin (Sencor), before or after emerge, can give some foliage reaction, but rarely any yield reduction.

Fungicides

A strict preventive spraying schedule against late blight is necessary.

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 term storage.

¹ Level of fertilization is based on soil analysis.



Say potato,
say **Agrico.**

Resistances

Virus - Leaf roll: - / -

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn (tuber): slightly susceptible / 6,5

Spraing: slightly susceptible / 7

Late blight - foliage: very susceptible / 4,5

Late blight - tuber: susceptible / 5,5

Fusarium: susceptible / 5

Common scab: susceptible / 5

Powdery scab: slightly to not susceptible / 8

Black dot: - / -

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: field resistant / 8

White nematode Pa 2: resistant / 9

White nematode Pa 3: field resistant / 8