

Arsenal.

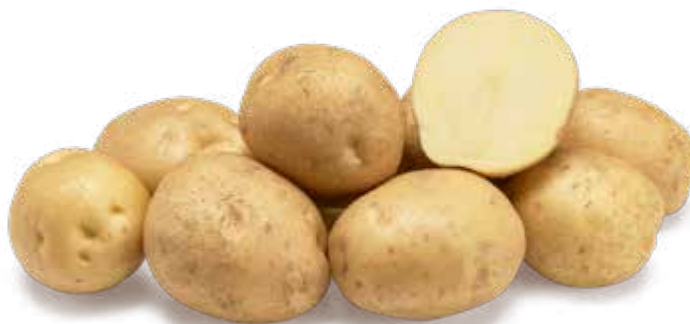
MARKET SEGMENT

P

Processing
Flakes, Crisps

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

- ▶ 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
Seedling: AR 98-0851
Breeder rights: 31-12-2040

Plant and tuber characteristics

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

Flesh colour: light yellow / 6
Skin colour: yellow
Skin finish: quite poor / 5
Tuber size: quite large / 7
Tuber shape: round oval
Regularity of tuber shape: quite regular / 6,5
Tuberisation: quite high / 7
Regularity size: quite regular / 6,5

Sensitivity and quality

Dormancy: quite short / 5
Metribuzin: slightly sensitive / 7
Bentazon: slightly sensitive / 7,5
Ethylene: - / -

Secondary growth: slightly sensitive / 7
Growth cracks: sensitive / 5
Black spot (internal bruising): quite sensitive / 6
Harvest damage: slightly sensitive / 7

Underwater weight: 447
Dry matter content: 24%
Dry matter distribution: good / 7,5
TGA - level: 4,1

Crisping quality: good / 7
Fries quality: very good / 7,5
Cooking type: floury / BC
Raw discolouration: quite sensitive / 6,5
Discolouration after cooking: quite sensitive / 6



www.agrico.nl/en/arsenal

HOW TO GROW

Fertilization¹

Nitrogen: standard advice.

Phosphate: standard advice.

Potassium: standard advice + 10%. Cautious application of Potassiumchloride is recommended as it affects the dry matter content of the tubers.

¹ Level of fertilization is based on soil analysis

Seed treatment

Desprouting more than once can have a negative impact on yield and size regularity. 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)

35/50 mm: 30 cm (45,000 plants/ha)

Weeds

After emerge, a standard use of metribuzin (Sencor) 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.



Say potato,
say **Agrico.**

Resistances

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

Late blight-foilage: very susceptible / 4,5

Late blight-tuber: susceptible / 5,5

Common scab: susceptible / 5

Powdery scab: slightly to not susceptible / 8

Fusarium: susceptible / 5

Erwinia: slightly susceptible / 7

Black dot: - / -

Spraing: slightly susceptible / 7

Virus - Leaf Roll: - / -

Virus - A: - / -

Virus - X: slightly susceptible / 7

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn: slightly susceptible / 6,5

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -