

# Arsenal.

An early maincrop, crisping 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



# How to grow

## Fertilization <sup>1</sup>

**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.

<sup>1</sup> 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