

# 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.



## 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

Say potato,  
say **Agrico.**

**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