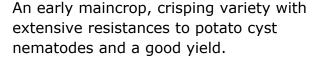
Arsenal.

K

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

securing. All 90 0091

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 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 <u>blight</u> 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 $^{\circ}$ C. Suitable for medium term storage.



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



¹ Level of fertilization is based on soil analysis.