CULTIVATION RECOMMENDATION

Arsenal.

Arsenal is a high yielding maincrop crisping variety with extensive resistances to potato cyst nematodes.

- **Duel PCN resistance and tolerance**
- **High yielding**
- **Good virus resistance**

Processing



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
Foliage - selectability: average / 6,5
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
Carvone oil: 15% to 25% more tubers / 7
Dormancy: quite short / 5

Agrico has taken all reasonable care in producing this variety description. However, please note that any information may be subject to change and Agrico accepts no responsibility for errors or omissions. In no event shall Agrico be liable for damages arising out of or related to the information contained within this description.

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How to grow

Fertilization and seed treatment [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 temperature - Storage time

For processing purposes, do not store below 9 ºC. Suitable for medium term storage.



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

Virus - A: - / -

Virus - X: slightly susceptible / 7

Black dot: - / -

Erwinia: slightly susceptible / 7

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

Golden nematode Ro 5: moderately susceptible / 6

White nematode Pa 2: resistant / 9

White nematode Pa 3: field resistant / 8

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