

Proton.

A maincrop starch variety with virus resistance and natural resistance against late blight.



Processing
Starch

Image:

- ▶ **High dry matter content**
- ▶ **Good virus resistance**
- ▶ **Multiple nematode resistances**

characteristics

General characteristics

Breeder: AKV Langholt

Crossing: EUROGRANDE x AR 08-3159

Breedersright: Pending

Seedling: PL 15-0706

Plant and tuber characteristics

Maturity: maincrop / 4

Light sprout colour: - / -

Flower colour: white / W

Number of berries: - / -

Foliage - initial development: quite fast / 7,5

Foliage - final development: good / 8

Foliage - firmness: quite firm / 7,5

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

Tuberisation: average / 6

Tuber size: quite large / 7

Regularity of size: quite regular / 6

Dormancy: average / 6

Sensitivity and quality

Secondary growth: slightly sensitive / 7

Black spot (internal bruising): sensitive / 5

Growth cracks: quite sensitive / 6

Harvest damage: very sensitive / 4,5

Metribuzin - pre-emergence: very sensitive / 3

Metribuzin - post-emergence: very sensitive / 3

Ethylene: - / -

Underwater weight: 511

Dry matter content: 26,6%

Cooking type: floury / C

Discolouration (after cooking): - / -

Raw discolouration: - / -

Fries quality: - / -

Dry matter distribution: - / -

Crisping quality: unsuitable / 5

TGA-level: 16,2 mg/100g

S_Harvestability: sensitive / 5,5

How to grow



www.agricopotatoes.com

Fertilization ¹

Nitrogen: standard advice + 25%. Preferably as split application, second treatment shortly after tuberization. It is possible to use organic manure.

Phosphate: standard advice.

Potassium: standard advice.

Seed treatment

Can be planted directly out of the cold store, preferably after a short heat shock. 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)

35/55 mm: 33 cm (40.000 plants/ha)

¹ Level of fertilization is based on soil analysis.

Weeds

A standard use of metribuzin (Sencor), before or after emerge, doesn't give foliage reaction or yield reduction.

Fungicides

A preventive spraying schedule against late blight is advised.

Harvest

Due to its sensitivity scores for black spot and/or harvest damage, wait at least three weeks after haulm killing before harvest.

Storage -

Preferred storage temperature is 6 °C. Suitable for short to medium term storage.

Image:

Say potato,
say Agrico.

Resistances

Virus - Leaf roll: - / -

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn (tuber): - / -

Spraing: slightly susceptible / 6

Late blight - foliage: slightly to not susceptible / 8,5

Late blight - tuber: slightly susceptible / 7

Fusarium: - / -

Common scab: susceptible / 5

Powdery scab: - / -

Black dot: - / -

R_PCN Tolerance: - / -

Wart disease F1: - / -

Wart disease F6: very susceptible* / 1*

Wart disease F18: very susceptible* / 1*

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: resistant / 9

White nematode Pa 2: field resistant / 8

White nematode Pa 3: moderately susceptible* / 5*