

Sidney.

Early maincrop, cream fleshed, processing variety suitable for the high-quality French fries industry.



Processing
French fries

- ▶ **Big sized tubers**
- ▶ **Good virus resistances**
- ▶ **Good dry matter distribution and therefore suitable for QSR**



characteristics

General characteristics

Breeder: Agrico Research B.V.

Crossing: LADY ANNA x AR 05-3392

Seedling: AR 12-1680

Plant and tuber characteristics

Maturity: early maincrop / 6

Light sprout colour: - / -

Flower colour: white / W

Number of berries: - / -

Foliage - initial development: quite fast / 7

Foliage - final development: quite good / 7,5

Foliage - firmness: quite firm / 7,5

Foliage - selectability: average / 6,5

Skin colour: yellow / Y

Flesh colour: white / 4,5

Skin finish: quite poor / 5

Tuber shape: long oval / LO

Regularity of tuber shape: quite regular / 6,5

Tuberisation: average / 6

Tuber size: quite large / 7,5

Regularity of size: quite regular / 6,5

Dormancy: average / 6,5

Sensitivity and quality

Secondary growth: quite sensitive / 6,5

Black spot (internal bruising): slightly sensitive / 7,5

Growth cracks: quite sensitive / 6

Harvest damage: slightly sensitive / 7

Metribuzin - pre-emergence: quite sensitive / 6,5

Metribuzin - post-emergence: quite sensitive / 6,5

Bentazon: - / -

Ethylene: 5% fewer to 5% more tubers / 5

Underwater weight: 396

Dry matter content: 21,5%

Cooking type: rather floury / B

Discolouration after cooking: slightly sensitive / 7

Raw discolouration: slightly sensitive / 7,5

Fries quality: above average / 6,5

Dry matter distribution: excellent / 8,5

Crisping quality: - / -

TGA-level: 4,3

Carvone oil: 15% to 25% more tubers / 7

Dormancy: average / 6,5



How to grow

Fertilization and seed treatment ¹

Nitrogen: standard advice. Preferably a high initial application, a second treatment is optional.

Phosphate: standard advice.

Potassium: standard advice + 10%.

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: 26 cm (51.000 plants/ha)

35/50 mm: 33 cm (40.000 plants/ha)

50/55 mm: 37 cm (36.000 plants/ha)

Weeds

Do not use metribuzin (Sencor), as it gives a severe foliage reaction and a serious 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

Preferred storage temperature is 5 °C. For processing purposes, do not store below 7 °C. Suitable for medium term storage.



Resistances

Virus - Leaf roll: - / -

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn (tuber): slightly susceptible / 7,5

Spraing: slightly to not susceptible / 8

Late blight - foliage: very susceptible / 4

Late blight - tuber: slightly to not susceptible / 8

Fusarium: slightly susceptible / 6

Common scab: susceptible / 5,5

Powdery scab: slightly susceptible / 6

Virus - A: - / -

Say potato,
say Agrico.

Virus - X: - / -

Black dot: susceptible / 5,5

Erwinia: - / -

Wart disease F1: very susceptible* / 1*

Wart disease F6: - / -

Wart disease F18: - / -

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: susceptible / 4

Golden nematode Ro 5: susceptible* / 4*

White nematode Pa 2: field resistant / 8

White nematode Pa 3: moderately susceptible / 6