

Esmee.

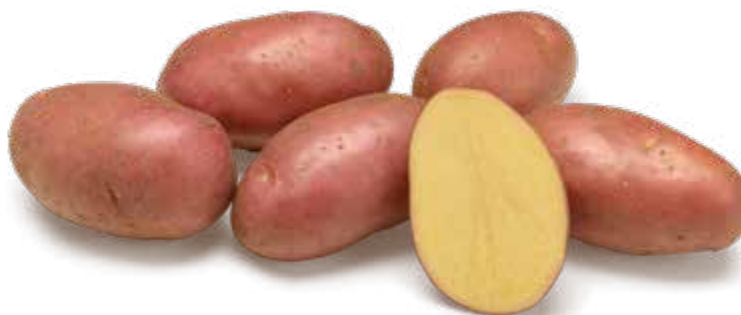
MARKET SEGMENT

T
Traditional

R
Retail
Fresh

A second early ware variety with a nice red skin, good heat tolerance and a good yield.

- ▶ Beautiful appearance
- ▶ Large tubers
- ▶ Multiple virus resistances



CHARACTERISTICS

General characteristics

Breeder: Agrico Research B.V.
Crossing: LAURA x RODEO
Seedling: AR 01-0410
Breeder rights: 31-12-2043

Plant and tuber characteristics

Maturity: second early / 6,5
Light sprout colour: red violet
Flower colour: light purple
Number of berries: none / 4
Foliage: - initial development: quite fast / 7
Foliage: - final development: quite good / 7,5
Foliage: - selectability: quite easy / 7
Foliage: - plant firmness: quite firm / 7

Flesh colour: yellow / 7
Skin colour: red
Skin finish: excellent / 8
Tuber size: large / 8
Tuber shape: oval long
Regularity of tuber shape: quite regular / 6,5
Tuberisation: average / 6
Regularity size: regular / 7

Sensitivity and quality

Dormancy: average / 6
Metribuzin: very sensitive / 4
Bentazon: slightly sensitive / 7
Ethylene: 5% fewer to 5% more tubers / 5

Secondary growth: quite sensitive / 6,5
Growth cracks: quite sensitive / 6
Black spot (internal bruising): slightly to not sensitive / 8
Harvest damage: quite sensitive / 6,5

Underwater weight: 326
Dry matter content: 18%
Dry matter distribution: - / -
TGA - level: 8,2

Crisping quality: unsuitable / 4
Fries quality: average / 6
Cooking type: rather firm / AB
Raw discolouration: quite sensitive / 6
Discolouration after cooking: sensitive / 5,5



www.agrico.nl/en/esmee

HOW TO GROW

Fertilization¹

Nitrogen: standard advice + 10%.

Phosphate: standard advice.

Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

Desprouting can have a negative impact on yield and size regularity. Can be planted directly out of the cold store, preferably after a short heat shock.

Planting distance

28/35 mm: 25 cm (54,000 plants/ha)

35/55 mm: 30 cm (45,000 plants/ha)

Weeds

After emerge, don't 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

Preferred storage temperature is 5 °C. Suitable for medium term storage.



Say potato, say Agrico.

Resistances

Golden nematode Ro 1/4: - / -

Golden nematode Ro 2/3: field resistant* / 8*

White nematode Pa 2: - / -

White nematode Pa 3: - / -

Late blight-foliage: very susceptible / 4,5

Late blight-tuber: slightly susceptible / 7

Common scab: slightly susceptible / 6

Powdery scab: slightly susceptible / 6,5

Fusarium: slightly susceptible / 7

Erwinia: slightly susceptible / 7

Black dot: susceptible / 5,5

Spraing: very susceptible / 4

Virus - Leaf Roll: - / -

Virus - A: - / -

Virus - X: slightly to not susceptible / 8

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn: slightly susceptible / 7

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -

* Results marked with an asterisk (*) are based on our own research, and are not yet officially published