

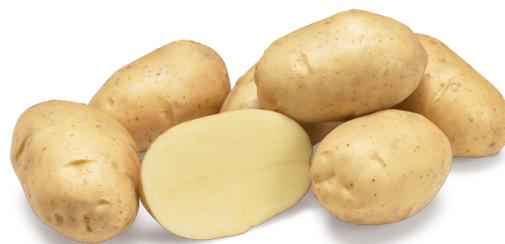
Markies.



Processing

Markies is a maincrop variety with excellent long term storability.

- ▶ **Market outlet: chipping, crisping, processing & table**
- ▶ **Long term storability**
- ▶ **Stable fry quality**
- ▶ **Suitable for multiple markets**



characteristics

General characteristics

Breeder: Dr. R.J. Mansholt's Veredelingsbedrijf B.V.
 Crossing: FIANNA x AGRIA
 Breedersright: 31-12-2029
 Seedling: MA 85-0698

Plant and tuber characteristics

Maturity: maincrop / 4
 Light sprout colour: blue violet / BV
 Flower colour: white / W
 Number of berries: below average / 6,5
 Foliage - initial development: quite fast / 7
 Foliage - final development: good / 8
 Foliage - firmness: firm / 8
 Foliage - selectability: average / 6,5
 Skin colour: yellow / Y
 Flesh colour: light yellow / 6,5
 Skin finish: good / 7
 Tuber shape: oval long / OL
 Regularity of tuber shape: regular / 7
 Tuberisation: average / 6
 Tuber size: quite large / 7,5
 Regularity of size: regular / 7
 Dormancy: average / 6,5

Sensitivity and quality

Secondary growth: quite sensitive / 6
 Black spot (internal bruising): slightly to not sensitive / 8
 Growth cracks: slightly sensitive / 7
 Harvest damage: sensitive / 5
 Metribuzin - pre-emergence: slightly sensitive / 7
 Metribuzin - post-emergence: slightly sensitive / 7
 Bentazon: quite sensitive / 6
 Ethylene: 5% to 15% more tubers / 6
 Underwater weight: 427
 Dry matter content: 22,8%
 Cooking type: floury / BC
 Discolouration after cooking: quite sensitive / 6
 Raw discolouration: slightly sensitive / 7
 Fries quality: excellent / 8
 Dry matter distribution: good / 7,5
 Crisping quality: good / 7
 TGA-level: 3,4
 Carvone oil: 15% to 25% more tubers / 7
 Dormancy: average / 6,5
 Mutation rate: This variety may exhibit a high mutation rate. Therefore, the use of carvone oil is discouraged. / Use of carvone oil can provoke mutations.



How to grow

Fertilization and seed treatment ¹

Nitrogen: standard advice - 10%. Preferably in three applications, with second treatment shortly after tuberization.

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 once is optional.

Planting distance

28/35 mm: 27 cm (50.000 plants/ha)

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

50/55 mm: 40 cm (33.000 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 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 temperature - Storage time

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



Say potato,
say Agrico.

Resistances

Virus - Leaf roll: slightly susceptible / 7

Virus - Yn: slightly susceptible / 7,5

Virus - Yntn (tuber): slightly susceptible / 7

Spraing: very susceptible / 4

Late blight - foliage: slightly susceptible / 6,5

Late blight - tuber: slightly susceptible / 7

Fusarium: slightly to not susceptible / 8

Common scab: susceptible / 5

Powdery scab: very susceptible / 3,5

Virus - A: slightly to not susceptible / 8

Virus - X: slightly to not susceptible / 8

Black dot: - / -

Erwinia: susceptible / 5

Wart disease F1: - / -

Wart disease F6: quite susceptible / 5

Wart disease F18: - / -

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: - / -

Golden nematode Ro 5: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -