

# Markies.



Processing

Markies is a maincrop variety with excellent long term storability.

- ▶ **Large tubers**
- ▶ **Multiple virus resistances**
- ▶ **Good storability**



## 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 <sup>1</sup>

**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:** - / -