

**A maincrop starch variety with very extensive potato cyst nematodes and potato wart disease resistance and a very high starch yield.**

- ✓ Large tubers
- ✓ High dry matter content
- ✓ Multiple resistances



## General characteristics

- ⦿ **Breeder:** J. Schilt
- ⦿ **Breeders right:** 31-12-2034
- ⦿ **Crossing:** SI 87-0723 x AR 85-096-13
- ⦿ **Seedling:** SI 92-5974

## Market segment

- ⦿ **Processing** | Starch

P

## Plant and tuber characteristics

Maturity	maincrop / 4
Flower colour	light purple
Number of berries	none / 4
Foliage: - initial development	quite fast / 7,5
Foliage: - final development	firm / 8
Foliage: - selectability	quite easy / 7
Foliage: - plant firmness	firm / 8
<hr/>	
Flesh colour	light yellow / 6
Skin colour	yellow
Skin finish	quite good / 6
Tuber size	quite large / 7,5
Tuber shape	round oval
Regularity of tuber shape	regular / 7
Tuberisation	low / 5
Regularity size	regular / 7

## Sensitivity and quality

Dormancy	short / 4,5
Metribuzin	minimum to none sensitive / 8
Bentazon	not tested / -
Ethylene	not tested / -
<hr/>	
Second growth	minimum sensitive / 7
Growth cracks	quite sensitive / 6,5
Black spot (internal bruising)	very sensitive / 4
Harvest damage	sensitive / 5
<hr/>	
Underwater weight	536
Dry matter content	28,4%
Dry matter distribution	not tested / -
TGA - level	7,6
<hr/>	
Crisp quality	average / 6
Fries quality	average / 6
Cooking type	floury / C
Raw discolouration	not tested / -
After-cooking darkening	sensitive / 5

**Say potato,  
say Agrico.**

## Resistances

Golden nematode Ro 1/4	resistant / 9
Golden nematode Ro 2/3	not marked / -
White nematode Pa 2	resistant / 9
White nematode Pa 3	resistant / 9

Late blight-foilage	minimum susceptible / 6,5
Late blight-tuber	susceptible / 5

Common scab	susceptible / 5,5
Powdery scab	minimum susceptible / 7,5
Fusarium	not tested / -
Erwinia	susceptible / 5
Black dot	not tested / -
Spraing	susceptible / 5,5

Virus - Leaf Roll	not tested / -
Virus - A	not tested / -
Virus - X	minimum susceptible / 6
Virus - Yn	minimum susceptible / 6
Virus - Yntn (tuber)	minimum susceptible / 7,5

Wart disease F1	resistant / 10
Wart disease F6	resistant / 10
Wart disease F18	slightly susceptible / 9

## Fertilization<sup>1</sup>

Nitrogen: standard advice + 10%  
Phosphate: standard advice  
Potassium: standard advice + 20%

<sup>1</sup> Level of fertilization is based on soil analysis.

## Seed treatment

It is recommended to apply a short heat shock before planting. The best method to have a good tuber set, is proper pre-sprouting after taking off the top sprout before planting. Once desprouting is optional.

## Planting distance

28/35: 22 cm (60500 plants/ha)  
35/50: 27 cm (50000 plants/ha)

## Weeds

Use of metribuzin (Sencor) doesn't give problems.

## Fungicides

A preventative spraying schedule against late blight is necessary, although Signum is slightly susceptible.

## Harvest

Signum is sensitive to harvest damage and black spot, if possible wait at least three weeks after haulm killing before harvesting.

## Storage

Signum has a short dormancy and is only suitable for delivery straight from the field or short term storage.

Say  
growth,  
say **Agrico.**