

# Prince.

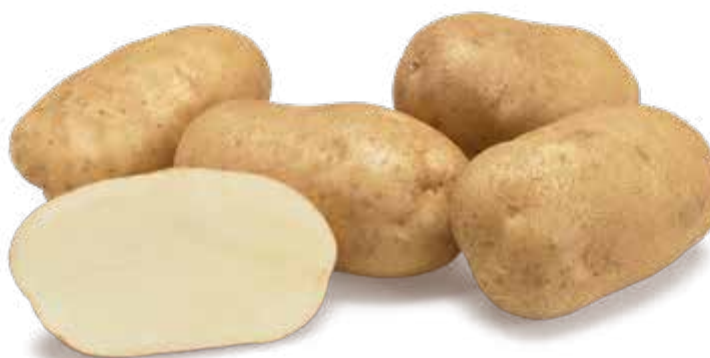
MARKET SEGMENT

**T**  
Traditional

**P**  
Processing  
French fries

A maincrop white fleshed processing variety with an excellent yield and suitable for the French fries industries.

- ▶ Stable low sugar content
- ▶ Good frying quality
- ▶ Good storability



## CHARACTERISTICS

### General characteristics

**Breeder:** Lantmännens Seed B.V.  
**Crossing:** ARG 96-0738 x SW 98-2723  
**Seedling:** SW 08-1984  
**Breeder rights:** 31-12-2049

### Plant and tuber characteristics

**Maturity:** maincrop / 5  
**Light sprout colour:** red violet  
**Flower colour:** light purple  
**Number of berries:** none / 4  
**Foliage: - initial development:** average / 6  
**Foliage: - final development:** good / 8  
**Foliage: - selectability:** quite easy / 7  
**Foliage: - plant firmness:** quite firm / 7,5

**Flesh colour:** white / 4,5  
**Skin colour:** yellow  
**Skin finish:** quite poor / 5  
**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:** long / 8  
**Metribuzin:** slightly sensitive / 7,5  
**Bentazon:** - / -  
**Ethylene:** 5% fewer tubers / 4

**Secondary growth:** quite sensitive / 6,5  
**Growth cracks:** slightly sensitive / 7  
**Black spot (internal bruising):** quite sensitive / 6,5  
**Harvest damage:** sensitive / 5

**Underwater weight:** 433  
**Dry matter content:** 23,3%  
**Dry matter distribution:** good / 7  
**TGA - level:** 6,8

**Crisping quality:** good / 7  
**Fries quality:** excellent / 8  
**Cooking type:** floury / C  
**Raw discolouration:** quite sensitive / 6  
**Discolouration after cooking:** quite sensitive / 6,5



[www.agrico.nl/en/prince](http://www.agrico.nl/en/prince)

# HOW TO GROW

## Fertilization<sup>1</sup>

**Nitrogen:** standard advice.

**Phosphate:** standard advice.

**Potassium:** standard advice + 25%.

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

## Seed treatment

Desprouting more than once can have a negative impact on yield and size regularity. Proper pre-sprouting after taking off the top sprout can give a positive result on the tuber set.

## Planting distance

28/35 mm: 22-25 cm (55,000 plants/ha)

35/55 mm: 30-34 cm (42,000 plants/ha)

50/55 mm: 37-39 cm (35,000 plants/ha)

## Weeds

After emerge, a standard use of metribuzin (Sencor) doesn't give foliage reaction or 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. For processing purposes, do not store below 7 °C. Suitable for long term storage.



Say potato,  
say **Agrico.**

## Resistances

**Golden nematode Ro 1/4:** field resistant / 8

**Golden nematode Ro 2/3:** - / -

**White nematode Pa 2:** - / -

**White nematode Pa 3:** - / -

**Late blight-foliage:** susceptible / 5

**Late blight-tuber:** slightly susceptible / 6,5

**Common scab:** very susceptible / 4,5

**Powdery scab:** slightly susceptible / 7

**Fusarium:** slightly susceptible / 7

**Erwinia:** - / -

**Black dot:** slightly to not susceptible / 8

**Spraing:** slightly susceptible / 6

**Virus - Leaf Roll:** - / -

**Virus - A:** - / -

**Virus - X:** - / -

**Virus - Yn:** very susceptible / 4,5

**Virus - Yntn:** slightly to not susceptible / 8,5

**Wart disease F1:** - / -

**Wart disease F6:** - / -

**Wart disease F18:** - / -