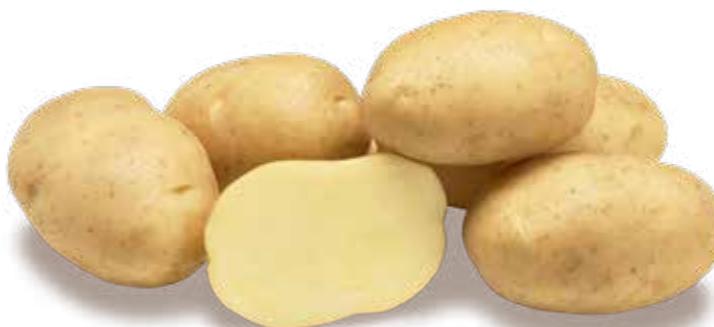


# Palace.

Maincrop, high yielding processing variety for the French fries industry which is suitable to grow on different soil types.

- ▶ High dry matter content
- ▶ Large tubers
- ▶ Nice skin finish



## MARKET SEGMENT

**T**  
Traditional

**R**  
Retail  
Fresh

**P**  
Processing  
Flakes, French  
fries

## CHARACTERISTICS

### General characteristics

**Breeder:** Agrico Research B.V.

**Crossing:** AR 01-3350 x ADD 93-20902

**Seedling:** AR 08-4241

**Breeder rights:** 31-12-2049

### Plant and tuber characteristics

**Maturity:** maincrop / 4,5

**Light sprout colour:** green red

**Flower colour:** purple

**Number of berries:** none / 4

**Foliage: - initial development:** quite fast / 7,5

**Foliage: - final development:** good / 8

**Foliage: - selectability:** average / 6,5

**Foliage: - plant firmness:** quite firm / 7,5

**Flesh colour:** light yellow / 6

**Skin colour:** yellow

**Skin finish:** average / 6

**Tuber size:** quite large / 7,5

**Tuber shape:** oval

**Regularity of tuber shape:** regular / 7

**Tuberisation:** average / 6

**Regularity size:** quite regular / 6,5

### Sensitivity and quality

**Dormancy:** quite short / 5

**Metribuzin:** slightly sensitive / 7

**Bentazon:** - / -

**Ethylene:** 5% to 15% more tubers / 6

**Secondary growth:** quite sensitive / 6

**Growth cracks:** quite sensitive / 6,5

**Black spot (internal bruising):** quite sensitive / 6

**Harvest damage:** sensitive / 5

**Underwater weight:** 430

**Dry matter content:** 23,2%

**Dry matter distribution:** average / 6

**TGA - level:** 14,1

**Crisping quality:** average / 6

**Fries quality:** excellent / 8

**Cooking type:** floury / C

**Raw discolouration:** quite sensitive / 6

**Discolouration after cooking:** sensitive / 5,5



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

# HOW TO GROW

## Fertilization<sup>1</sup>

**Nitrogen:** standard advice - 10%.

**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. Can be planted directly out of the cold store, preferably after a short heat shock.

## Planting distance

28/35 mm: 24-27 cm (50,000 plants/ha)

35/50 mm: 32-35 cm (40,000 plants/ha)

50/55 mm: 38-40 cm (33,000 plants/ha)

## Weeds

After emerge, a standard use of metribuzin (Sencor) can give some foliage reaction, but rarely any 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 two weeks after haulm killing before harvest.

## Storage

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



Say potato,  
say **Agrico.**

## Resistances

**Golden nematode Ro 1/4:** - / -

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

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

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

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

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

**Common scab:** slightly susceptible / 6

**Powdery scab:** slightly susceptible / 7,5

**Fusarium:** susceptible / 5,5

**Erwinia:** - / -

**Black dot:** susceptible / 5

**Spraing:** susceptible / 5,5

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

**Virus - A:** - / -

**Virus - X:** - / -

**Virus - Yn:** slightly susceptible / 7,5

**Virus - Yntn:** slightly susceptible / 6

**Wart disease F1:** - / -

**Wart disease F6:** - / -

**Wart disease F18:** - / -