

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



General characteristics

- ⊙ **Breeder:** Agrico Research B.V.
- ⊙ **Breeders right:** 31-12-2049
- ⊙ **Crossing:** AR 01-3350 x ADD 93-20902
- ⊙ **Seedling:** AR 08-4241

Market segment

- ⊙ **Traditional**
- ⊙ **Retail** | Fresh
- ⊙ **Processing** | French fries
- ⊙ **Processing** | Flakes



Plant and tuber characteristics

Maturity	maincrop / 4,5
Flower colour	purple
Number of berries	none / 4
Foliage: - initial development	quite fast / 7,5
Foliage: - final development	firm / 8
Foliage: - selectability	average / 6,5
Foliage: - plant firmness	quite firm / 7,5
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Flesh colour	light yellow / 6
Skin colour	yellow
Skin finish	quite good / 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	minimum sensitive / 7
Bentazon	not tested / -
Ethylene	5% to 15% more tubers / 6
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Second growth	quite sensitive / 6
Growth cracks	quite sensitive / 6,5
Black spot (internal bruising)	quite sensitive / 6
Harvest damage	sensitive / 5
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Underwater weight	430
Dry matter content	23,2%
Dry matter distribution	average / 6
TGA - level	14,1
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Crisp quality	average / 6
Fries quality	excellent / 8
Cooking type	floury / C
Raw discolouration	quite sensitive / 6
After-cooking darkening	sensitive / 5,5

**Say potato,
say Agrico.**

Resistances

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

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

Common scab	minimum susceptible / 6
Powdery scab	minimum susceptible / 7,5
Fusarium	susceptible / 5,5
Erwinia	not tested / -
Black dot	susceptible / 5
Spraing	susceptible / 5,5

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

Wart disease F1	not marked / -
Wart disease F6	not marked / -
Wart disease F18	not marked / -

Fertilization¹

Nitrogen: standard advice - 10%
Phosphate: standard advice
Potassium: standard advice + 25%

¹ Level of fertilization is based on soil analysis.

Seed treatment

Desprouting can be done, but not more than once. No differences in different seed treatments.
Palace can be planted directly out of the cold store, preferable after a short heat shock.

Planting distance

28/35: 24-27 cm (50000 plants/ha)
35/50: 32-35 cm (40000 plants/ha)
50/55: 38-40 cm (33000 plants/ha)

Weeds

Use of metribuzin (Sencor) can give some discolouration of the foliage and seldom a little yield reduction.

Fungicides

A strict preventive spraying schedule against late blight is necessary, as Palace is susceptible.

Harvest

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

Storage

Palace has a short dormancy. Under good storing conditions Palace is suitable for mid-term storage at 7°C.

Say
growth,
say **Agrico.**

Agrico