

Prince.

Cultivation recommendation ware / 1-2

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



General characteristics

- ⦿ **Breeder:** Lantmännen Seed B.V.
- ⦿ **Breeders right:** 31-12-2049
- ⦿ **Crossing:** ARG 96-0738 x SW 98-2723
- ⦿ **Seedling:** SW 08-1984

Market segment

- ⦿ **Traditional**
- ⦿ **Processing** | French fries



Plant and tuber characteristics

Maturity	maincrop / 5
Flower colour	light purple
Number of berries	none / 4
Foliage: - initial development	average / 6
Foliage: - final development	firm / 8
Foliage: - selectability	quite easy / 7
Foliage: - plant firmness	quite firm / 7,5
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Flesh colour	white / 4,5
Skin colour	yellow
Skin finish	average / 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	minimum sensitive / 7,5
Bentazon	not tested / -
Ethylene	5% fewer tubers / 4
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Second growth	quite sensitive / 6,5
Growth cracks	minimum sensitive / 7
Black spot (internal bruising)	quite sensitive / 6,5
Harvest damage	sensitive / 5
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Underwater weight	433
Dry matter content	23,3%
Dry matter distribution	good / 7
TGA - level	6,8
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Crisp quality	good / 7
Fries quality	excellent / 8
Cooking type	floury / C
Raw discolouration	quite sensitive / 6
After-cooking darkening	quite sensitive / 6,5

**Say potato,
say Agrico.**

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Resistances

Golden nematode Ro 1/4	field resistant / 8
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	very susceptible / 4,5
Powdery scab	minimum susceptible / 7
Fusarium	minimum susceptible / 7
Erwinia	not tested / -
Black dot	minimum to not susceptible / 8
Spraing	minimum susceptible / 6

Virus - Leaf Roll	not tested / -
Virus - A	not tested / -
Virus - X	not tested / -
Virus - Yn	very susceptible / 4,5
Virus - Yntn (tuber)	minimum to not susceptible / 8,5

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

Fertilization¹

Nitrogen: standard advice
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.
The best method to have a good tuber set, is proper pre-sprouting after taking off the top sprout before planting.

Planting distance

28/35: 22-25 cm (55000 plants/ha)
35/55: 30-34 cm (42000 plants/ha)
50/55: 37-39 cm (35000 plants/ha)

Weeds

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

Fungicides

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

Harvest

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

Storage

Prince has a very good dormancy and is suitable for long term storage at 6,5°C.

Say
growth,
say **Agrico.**

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