

# Lugano.

MARKET SEGMENT

**T**  
Traditional

**P**  
Processing  
French fries

Early maincrop yellow flesh processing variety with good resistances to potato cyst nematodes.

- ▶ Large tubers
- ▶ Multiple resistances
- ▶ Good storability



## CHARACTERISTICS

### General characteristics

**Breeder:** F.J. Vos

**Crossing:** AR 00-2211 x AR 99-0669

**Seedling:** VO 07-0289

**Breeder rights:** 31-12-2048

### Plant and tuber characteristics

**Maturity:** early maincrop / 5,5

**Light sprout colour:** red

**Flower colour:** white

**Number of berries:** above average / 7

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

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

**Foliage: - selectability:** quite easy / 7

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

**Flesh colour:** light yellow / 6,5

**Skin colour:** yellow

**Skin finish:** average / 6

**Tuber size:** large / 8

**Tuber shape:** oval long

**Regularity of tuber shape:** quite regular / 6

**Tuberisation:** quite low / 5

**Regularity size:** regular / 7

### Sensitivity and quality

**Dormancy:** long / 8

**Metribuzin:** slightly to not sensitive / 8

**Bentazon:** slightly to not sensitive / 8

**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:** very sensitive / 4,5

**Underwater weight:** 394

**Dry matter content:** 21,4%

**Dry matter distribution:** good / 7,5

**TGA - level:** 6,9

**Crisping quality:** below average / 5,5

**Fries quality:** good / 7

**Cooking type:** rather floury / B

**Raw discolouration:** quite sensitive / 6

**Discolouration after cooking:** quite sensitive / 6,5



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

# HOW TO GROW

## Fertilization<sup>1</sup>

**Nitrogen:** standard advice.

**Phosphate:** standard advice.

**Potassium:** standard advice + 20%. Cautious application of Potassiumchloride is recommended as it affects the dry matter content of the tubers.

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

## Seed treatment

Desprouting more than twice 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: 21-24 cm (60,000 plants/ha)

35/55 mm: 29-32 cm (45,000 plants/ha)

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

## Weeds

After emerge, a standard use of metribuzin (Sencor) doesn't give foliage reaction or yield reduction.

## Fungicides

A preventive spraying schedule against late blight is advised.

## 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:** resistant / 9

**Golden nematode Ro 2/3:** resistant / 9

**White nematode Pa 2:** resistant / 9

**White nematode Pa 3:** resistant / 9

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

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

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

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

**Fusarium:** slightly susceptible / 6,5

**Erwinia:** - / -

**Black dot:** slightly susceptible / 6

**Spraing:** susceptible / 5,5

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

**Virus - A:** - / -

**Virus - X:** - / -

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

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

**Wart disease F1:** resistant / 10

**Wart disease F6:** slightly susceptible / 9

**Wart disease F18:** - / -