

Lugano.



Processing

Lugano is an early maincrop yellow flesh processing variety with good resistances to potato cyst nematodes.

- ▶ **Market outlet: chipping & processing**
- ▶ **Duel PCN resistance and tolerance**
- ▶ **Early maincrop**
- ▶ **Large long oval tubers**



characteristics

General characteristics

Breeder: F.J. Vos

Crossing: AR 00-2211 x AR 99-0669

Breedersright: 31-12-2048

Seedling: VO 07-0289

Plant and tuber characteristics

Maturity: early maincrop / 5,5

Light sprout colour: red / R

Flower colour: white / W

Number of berries: below average / 7

Foliage - initial development: quite fast / 7

Foliage - final development: good / 8

Foliage - firmness: quite firm / 7,5

Foliage - selectability: quite easy / 7

Skin colour: yellow / Y

Flesh colour: light yellow / 6,5

Skin finish: average / 6

Tuber shape: oval long / OL

Regularity of tuber shape: quite regular / 6

Tuberisation: quite low / 5

Tuber size: large / 8

Regularity of size: regular / 7

Dormancy: long / 8

Sensitivity and quality

Secondary growth: quite sensitive / 6

Black spot (internal bruising): quite sensitive / 6

Growth cracks: quite sensitive / 6,5

Harvest damage: very sensitive / 4,5

Metribuzin - pre-emergence: slightly to not sensitive / 8

Metribuzin - post-emergence: slightly sensitive / 7,5

Bentazon: slightly to not sensitive / 8

Ethylene: 5% to 15% more tubers / 6

Underwater weight: 394

Dry matter content: 21,4%

Cooking type: rather floury / B

Discolouration after cooking: quite sensitive / 6,5

Raw discolouration: quite sensitive / 6

Fries quality: good / 7

Dry matter distribution: good / 7,5

Crisping quality: below average / 5,5

TGA-level: 6,4

Carvone oil: 25% more tubers / 8

Dormancy: long / 8

How to grow



Fertilization and seed treatment ¹

Nitrogen: standard advice.

Phosphate: standard advice.

Potassium: standard advice + 20%.

Seed treatment

Can be planted directly out of the cold store, preferably after a short heat shock. Desprouting more than twice can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 22 cm (60.000 plants/ha)

35/55 mm: 30 cm (45.000 plants/ha)

50/55 mm: 36 cm (37.000 plants/ha)

Weeds

A standard use of metribuzin (Sencor), before or after emerge, 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 temperature - Storage time

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



Resistances

Virus - Leaf roll: - / -

Virus - Yn: susceptible / 5,5

Virus - Yntn (tuber): slightly susceptible / 7,5

Spraing: susceptible / 5,5

Late blight - foliage: susceptible / 5

Late blight - tuber: susceptible / 5,5

Fusarium: slightly susceptible / 6,5

Common scab: susceptible / 5,5

Powdery scab: slightly susceptible / 7,5

Virus - A: - / -

Say potato,
say **Agrico.**

Virus - X: - / -

Black dot: slightly susceptible / 6

Erwinia: - / -

Wart disease F1: resistant / 10

Wart disease F6: slightly susceptible / 9

Wart disease F18: - / -

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: resistant / 9

Golden nematode Ro 5: resistant / 9

White nematode Pa 2: resistant / 9

White nematode Pa 3: resistant / 9