

Lugano.



Processing

Lugano is an 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
 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