

CHARACTERISTICS

Lukas is characterized by its broad nematode resistances against Ro 1 - 5, as well as Pa 2 and Pa 3.



Plant

Maturity	Medium early
Plant type	Intermediate
Growth habit	Semi-upright
Colour of flower	White
Foliage development	Rapid
Number of tubers	Medium, High
Dormancy	High, Very high

Yield and quality

Market segment	Starch
Yield	High
Share oversize	Low
Share undersize	Low, Medium
Dry matter content	High
Dry matter yield	High

Tuber characteristics

Tuber shape	Round-oval
Flesh colour	Cream
Eye depth	Medium
Skin colour	Yellow
Skin appearance	Netted

Resistances

Nematodes	Ro 1, Ro 3, Ro 5 Pa 2(8), Pa 3(8)
Potato wart disease	Pathotype 1*
Leaf blight	High
Tuber blight	High
Rhizoctonia	Medium, High
Black leg	High
Common scab	High
Internal rust spot	Medium, High
Second growth	High
Mechanical damages	Medium
Bruising	Low, Medium
PVY	Very high

* testing not yet finished

Lukas



medium early starch variety
very broad nematode resistance



Lukas is a medium early starch variety. It is predestined for green top harvest. Additionally, it can be stored very well.

Location

- irrigation is advisable especially on light soils
- should not be grown on soils with high content of fresh organic matter

Preparation of seed and planting

- break the high dormancy before planting → plant with small white sprouts
- seed treatment against rhizoctonia is advisable

	75 cm	90 cm	plants/ha
28/35	23 - 24 cm	19 - 20 cm	56.000 - 58.000
35/55	33 - 35 cm	28 - 29 cm	38.000 - 40.000
55/60	40 - 43 cm	34 - 36 cm	31.000 - 33.000

- the lighter the soil, the wider the planting distance
- without irrigation or when the location is at risk of droughts, plant a little bit wider
- always count tubers for optimal planting density

The above information has been prepared to the best of our knowledge and belief, but since potatoes are natural products, we cannot accept any liability for this information. They only serve as an orientation for decision making. For advice adapted to your region and for general questions about growing, please contact the growing consultant in your region. You can find the contact details at www.solana.de.

Last updated: December 2020

Crop management

	quantity*	1 st application	2 nd application
N	120 %	100 %	-
P₂O₅	100 %	100 %	-
K₂O	100 %	100 %	-

* in comparison to other starch varieties

- N as ammonia fertiliser
- be careful with herbicides post-emergence
- spray against phytophthora in accordance with local warning services and especially after self-monitoring the crop
- start spraying against alternaria early in the season
- due to its maturity, Lukas is predestined to be harvested green top for early delivery

Harvest and storage

- harvest gently after skinset

