

CHARACTERISTICS

EDISON shows good resistances against potato virus Y and internal defects. Additionally, Edison is resilient against scab, rhizoctonia and black leg.



Plant

Maturity	Medium early
Plant type	Intermediate
Growth habit	Semi-upright
Colour of flower	Light red-violett
Foliage development	Rapid
Number of tubers	Medium
Dormancy	High

Yield and quality

Market segment	French fries, Table
Yield	High
Share oversize	High
Share undersize	Very low
Cooking type	B (fairly firm)
Discolouration (cooked)	Low
Discolouration (raw)	Low
Dry matter content	Medium
Frying quality after harvest	Very good
Frying quality after long-term storage	Very good

Tuber characteristics

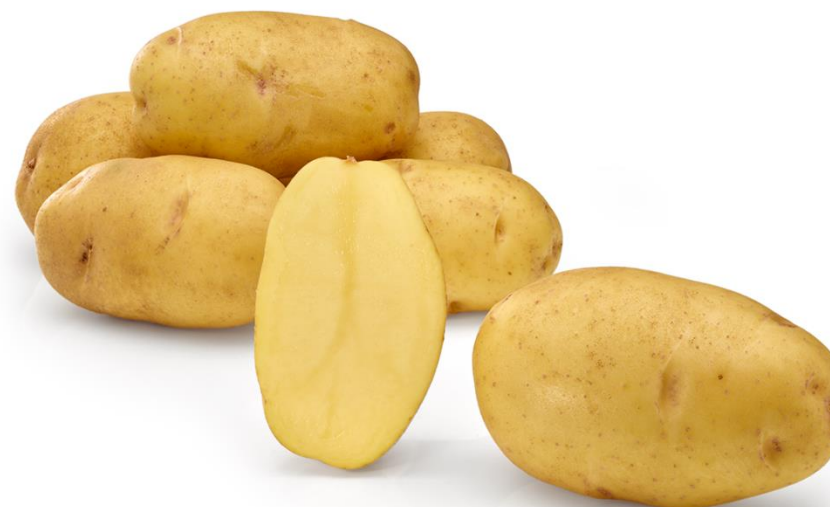
Tuber shape	Long-oval, Oval
Flesh colour	Light yellow, Cream
Eye depth	Medium, shallow
Skin colour	Yellow
Skin appearance	Smooth, Slightly netted

Resistances

Nematodes	Ro 1*
Potato wart disease	Pathotype 1*
Foliage blight	High
Tuber blight	High
Rhizoctonia	High
Black leg	Medium, High
Common scab	High
Internal rust spot	Very high
Second growth	High
Silver scurf	Medium, High
Mechanical damages	High
Bruising	High
PVY	High
PVY^{NTN}	Very high

* found to be resistant in an EU-country

Edison



medium early french fry variety
perfectly suited for cold- and long-term storage



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– recommendations for the production of ware potatoes –

EDISON is a high-yielding medium early french fry variety, for premium quality fries. Edison is suitable for cold- and long-term storage. Regarding N-fertilisation, Edison is a low-input variety.

Location

- Edison can be grown on nearly all potato grounds
- look for a good soil structure
- soils with high and especially late soil nitrogen mineralisation should be avoided

Preparation of seeds and planting

- dormancy should be broken by warm storage immediately before planting
- do not desprout!
- plant Edison into warm soil!
- seed treatment against rhizoctonia is advisable

	75 cm	90 cm	plants/ha
28/35	24 - 25 cm	20 - 21 cm	53.000 - 55.000
35/50	35 - 37 cm	29 - 31 cm	36.000 - 38.000
50/55	38 - 40 cm	32 - 34 cm	33.000 - 35.000

- Edison should be planted 1-2 cm deeper
- 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.

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Crop management

	quantity*	1 st application	2 nd application
N	80 %	75 %	25 %
P₂O₅	100 %	100 %	-
K₂O	100 %	100 %	-

* in comparison to other french fries varieties

- ¼ N as ammonia-fertiliser before planting
- ¼ N as ammonia-fertiliser before row closure
- additional N-fertiliser after flowering is advisable – two times with 6 kg N/ha, in combination with fungicide against phytophthora
- manure should be avoided or reduced before Edison
- only use potassium-sulphate
- on heavy soils, look for a good Mn-supply
- slightly sensitive to Metribuzin post-emergence
- irrigation during tuberisation can be advantageous
- spray against phytophthora in accordance with local warning services and especially after self-monitoring the crop
- spray early against alternaria!

Harvest and storage

- harvest gently after skinset and only with good soil conditions
- blow the tubers dry before storage → start drying immediately
- afterwards, cool down efficient and fast
- store at constant temperature and don't move the tubers often
- tubers should warm up to 8-10°C before processing

