



semagri
an Agrico brand

2025
2026

VARIETIES

GROWING
POTATOES
FOR INNOVATIVE SOLUTIONS

QUALITY AND PROGRESS

As a sub-brand of Agrico, Semagri sets itself apart through breeding and developing high-quality potato varieties for the starch, granule and flake industries. Under the motto **‘Growing potatoes for innovative solutions’**, Semagri proudly positions itself as a healthy company with a strong emphasis on innovation and sustainability. This approach has proven successful: with a presence in all key European potato starch-producing countries, Semagri has grown into a leading player in this industry.

Sustaining this growth depends on our continued ability to deliver excellent and robust (new) varieties. The starch potato sector faces numerous challenges, many of which are rooted in the development

of new varieties. In regions where starch potatoes are grown, potato cyst nematodes and wart diseases have long been persistent challenges – prompting Semagri to develop many varieties with broad-spectrum resistance. Additionally, late-blight resistance is playing an increasingly important role in our variety portfolio.

But resistance is only part of the solution. Global potato cultivation is under growing pressure from climate change, stricter laws and regulations, and increasing demand for more sustainable production methods. Our response is clear: the development of strong, reliable varieties that naturally perform well.

With our varieties, we offer solutions that meet both the demands of the industry and the practical needs of growers. This means that, as well as focusing on starch and protein content, storability is a key area of focus in our breeding program. We also work closely with industrial processors to enhance suitability for flake and granule production.

At Semagri, quality and progress have been core values from the outset. We take pride in everything we’ve achieved together with our members and partners, and we look to the future with confidence. With strong varieties, strong growers, and strong partnerships, we are building a future in which global potato cultivation is even stronger.

Mark Zuidhof
General Director



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GROWING POTATOES FOR INNOVATIVE SOLUTIONS

INNOVATIVE VARIETY DEVELOPMENT FOR THE FUTURE

At Semagri, we believe in the power of innovation. Every day, we strive to develop new potato varieties with higher yields and stronger resistances.

Through close collaboration with our breeding and research partner, Agrico Research, we create robust and reliable varieties that not only meet the demands of today’s market, but are also ready to face the challenges of a changing climate. Our focus on innovation and progress ensures that we continue to grow towards a more sustainable and resilient future.



At Semagri, a sub-brand of Agrico, everything revolves around creating high-quality potato varieties that make a real difference in the starch, granule, and flake industry. Our varieties combine quality, versatility, and innovation, forming the foundation for sustainable food solutions of the future. Thanks to their unique characteristics, they deliver outstanding performance in every production process, from starch to flakes, contributing to a future where taste, efficiency, and sustainability go hand in hand.



SUSTAINABILITY AS A CORE VALUE

At Semagri, sustainability lies at the heart of everything we do. We develop varieties that not only deliver high and reliable yields, but are also naturally resistant to diseases and pests.

This reduces the need for crop protection products and helps to create a healthier environment and ecosystem.

By working closely with growers, processors, and other chain partners, we actively contribute to a responsible, circular value chain, one with minimal waste and maximum value creation.



A BROAD PORTFOLIO OF HIGHLY PRODUCTIVE POTATO VARIETIES

At Semagri, we are continuously shaping the future by refining and expanding our variety portfolio. Our breeding program is dedicated to developing resistant, high-yielding varieties that meet the specific needs of our growers and the starch, granule, and flake industries.

Through extensive testing under diverse conditions, we ensure that we can always offer the right variety for every purpose, whether the focus is on yield, resistance, or adaptability.

At Semagri, we combine innovation and sustainability to deliver future-proof solutions for a thriving potato industry.

OVERVIEW STARCH CONTENT PER VARIETY

AV. SANDY PEAT 2020 - 2024			
VARIETY	T/HA	STARCH%	UWW
SENATA	55,13	17,43	435,45
SAPRODI	44,74	20,65	503,03
SOLUTION	43,83	19,88	486,79
SOFISTA	48,62	20,18	493,25
SIMPHONY	46,56	20,14	492,29
SUPPORTER	44,70	21,61	523,20
SARION	42,50	23,00	552,28
SKARLOS	46,25	19,07	469,85
SPARK	42,93	20,35	496,75
SERENO	44,20	20,50	500,00
HB 141 - 2	41,98	19,28	474,22
SCALA	38,81	21,00	510,37
SERUM STAR	41,71	20,25	494,65

The figures in the tables above are based on results from trial fields established by Semagri on sandy or sandy peat between 2020 and 2024. Therefore, the results cannot be directly compared with the results for starch varieties from Agrico Research.

AV. SANDY 2020 - 2024			
VARIETY	T/HA	STARCH%	UWW
SENATA	65,5	18,0	447
SAPRODI	62,3	20,1	491
SOLUTION	65,7	19,1	471
SOFISTA	56,5	19,0	468
SIMPHONY	59,7	19,4	477
SUPPORTER	54,2	21,1	512
SARION	53,1	22,3	538
SKARLOS	48,3	19,5	479
SPARK	54,3	18,6	459
SERENO	63,0	20,0	490
HB 141 - 2	43,8	18,6	459
SCALA	69,3	21,0	510
SERUM STAR	58,4	20,6	502

VARIETY	STARCH%	UWW
ALLSTAR	21	509
ARDECHE	19,3	476
FYONE	19	470
JANICK	20,2	494
NOFY	18,9	467
PL 15-0706	21,1	511
PL 17-0210	21,5	519
KURAS	19,7	483

The figures in the table above are based on results from trial fields established by Agrico Research on different soil types over a period of approximately eight years. Therefore, the results cannot be compared one-to-one with the results of Semagri's starch varieties.



INDEX

NAME	NEXT GENERATION	DUAL PURPOSE	CHARACTERISTICS					RESISTANCES														
			MATURITY	SKIN COLOUR	FLESH COLOUR	TUBER SHAPE	DROUGHT TOLERANCE	LATE BLIGHT - FOLIAGE	LATE BLIGHT - TUBER	COMMON SCAB	PLRV	VIRUS A	VIRUS X	VIRUS YN	RO 1/4	RO 2/3	PA 2	PA 3	PCN TOLERANCE	F1	F6	F18
ALLSTAR			4,5	Y	5	RO	-	6	6,5	6	-	-	-	8	9	4	6	4	-	9	10	9
ARDECHE			5,5	Y	6	RO	-	9	9	6	-	-	-	6	9	9	9	7	-	8	8	-
DARTIEST			4	Y	6	R	8	5,5	7	6	7	7	7	8	9	9	5	6	-	10	10	10
JANICK (PL 13-0304)				4	R	6	OR	-	8	9	6	-	-	-	8	9	5	6	3	-	1	1
KURAS			4	Y	4	RO	-	8	8	5,5	7	-	-	8	9	9	-	-	-	10	5	-
NOFY			5	Y	6	OR	-	9	8,5	6	-	-	-	6,5	9	6	5	2	-	-	-	-
PROTON (PL 15-0706)			4	Y	6	RO	-	8,5	7	5	-	-	-	8	9*	9*	8*	4*	-	-	-	
SAPRODI		✓	5	Y	6	O	7	6	7	7	7	7	7,5	7,5	9	9	9	9	8	10	10	10
SARION			4	Y	6	R	8,5	8,5	7	6,5	7	7	8	8	9	9	9	9	6,5	10	8	10
SENATA		✓	5,5	Y	4	R	7	7	6	6	7	6,5	6,5	7	9	9	9	8	8	10	9	8
SERENO		✓	5	Y	5	R	7	6,5	6	7	-	7	7,5	7	9	9	9	9	-	10	4	-
SIMPHONY		✓	4	Y	6	RO	7	8,5	8	8	7	7	7,5	7	9	8	9	9	7,5	10	10	8
SKARLOS			4	Y	6,5	O	8	6	6	5	-	-	-	6,5	9	9	9	8	-	10	10	10
SOFISTA			5	Y	6	RO	8	6	7	7	7	7	8,5	7,5	8	9	9	8	-	5	9	7
SOLUTION			5	Y	6	O	7	7	6	8	-	-	-	7	9	9	9	9	6,5	10	10	10
SPARK			4	Y	6,5	RO	7,5	7,5	7	-	-	-	-	7	9	9	9	9	8,5	10	10	10
SUPPORTER			4	Y	4	R	8	6	6,5	5	7	7	7	7	9	9	9	9	8	10	8	9

* Results marked with an asterisk (*) are based on our own research and have not yet been officially published.

Allstar

Maincrop starch variety with a good starch yield and resistant to various types of potato wart diseases.

- Quite large tubers
- High dry matter content
- Multiple resistances

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round oval
Flesh colour	Cream
Skin colour	Yellow

RESISTANCES

Late blight - foliage	slightly susceptible	6
Late blight - tuber	slightly susceptible	6,5
Common scab	slightly susceptible	6
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly to not susceptible	8
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	very susceptible	4
White nematode Pa 2	slightly susceptible	6
White nematode Pa 3	very susceptible	4

Wart disease F1	slightly susceptible	9
Wart disease F6	resistant	10
Wart disease F18	slightly susceptible	9
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/allstar

HOW TO GROW

Phosphate	standard advice
Potassium	standard advice + 20%
Nitrogen	standard advice + 5%
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Ardeche

An early maincrop starch variety with a good yield, natural resistance against late blight in foliage and tuber, and suitable for the production of flakes.

- Good starch yield
- Multiple potato cyst nematodes resistances
- Good virus resistances



PLANT AND TUBER CHARACTERISTICS

Maturity	Early maincrop
Tuber shape	Round oval
Flesh colour	Light yellow
Skin colour	Yellow

RESISTANCES

Late blight - foliage	slightly to not susceptible	9
Late blight - tuber	resistant	9
Common scab	slightly susceptible	6
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly susceptible	6
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	resistant	9
White nematode Pa 2	resistant	9
White nematode Pa 3	slightly susceptible	7

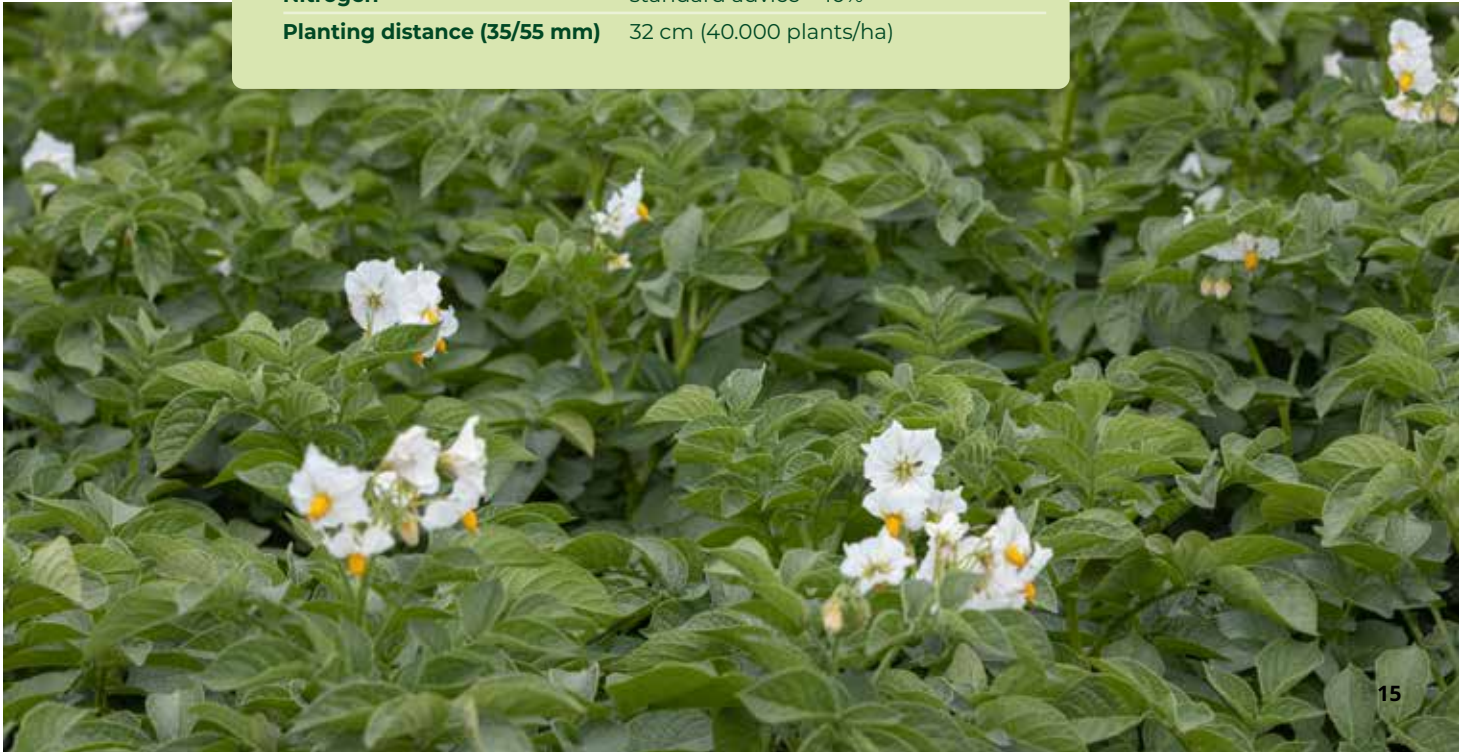
Wart disease F1	moderately susceptible	8
Wart disease F6	moderately susceptible	8
Wart disease F18	-	-
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/ardeche

HOW TO GROW

Phosphate	standard advice
Potassium	standard advice + 20%
Nitrogen	standard advice + 10%
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Dartiest

Late maturing starch variety with broad-spectrum resistances and very good storability

- Excellent for long term storage
- High starch yield
- Suitable for all areas

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	8

RESISTANCES

Late blight - foliage	susceptible	5,5
Late blight - tuber	slightly susceptible	7
Common scab	slightly susceptible	6
PLRV	slightly susceptible	7
Virus A	slightly susceptible	7
Virus X	slightly susceptible	7
Virus Yn	slightly to not susceptible	8
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	resistant	9
White nematode Pa 2	susceptible	5
White nematode Pa 3	slightly susceptible	6

Wart disease F1	resistant	10
Wart disease F6	resistant	10
Wart disease F18	resistant	10
Wart disease F38	-	-

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 15%
Nitrogen	150 - 180 kg/ha (incl. soil supply)
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Scan the QR-code for more information
semagri.eu/dartiest



Janick (PL 13-0304)

A starch variety with multiple nematode resistances and natural resistance against late blight in foliage and tuber.

- High starch content
- Suitable for the starch industry
- Natural protection against late blight



PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Oval round
Flesh colour	Light yellow
Skin colour	Red

RESISTANCES

Late blight - foliage	slightly to not susceptible	8
Late blight - tuber	resistant	9
Common scab	slightly susceptible	6
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly to not susceptible	8
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	susceptible	5
White nematode Pa 2	slightly susceptible	6
White nematode Pa 3	very susceptible	3

Wart disease F1	very susceptible	1
Wart disease F6	very susceptible	1
Wart disease F18	very susceptible	1
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/janick

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	-
Nitrogen	-
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Kuras

Late starch variety with broad PCN resistance (Ro1,2,3,4) and very good starch yield.

- Good virus resistance
- Good storability
- Natural resistance against late blight

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round oval
Flesh colour	White
Skin colour	Yellow

RESISTANCES

Late blight - foliage	slightly to not susceptible	8
Late blight - tuber	slightly to not susceptible	8
Common scab	susceptible	5,5
PLRV	slightly susceptible	7
Virus A	-	-
Virus X	-	-
Virus Yn	slightly to not susceptible	8
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	resistant	9
White nematode Pa 2	-	-
White nematode Pa 3	-	-

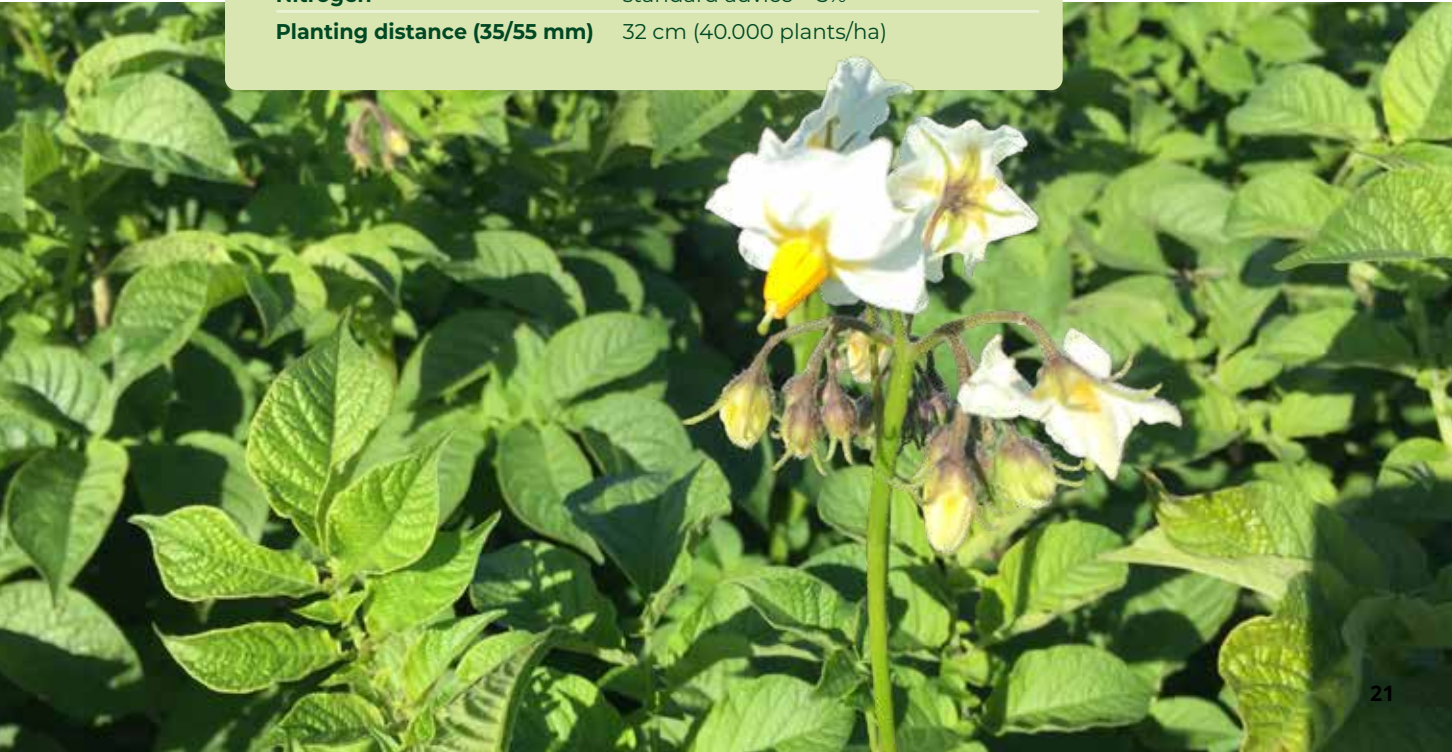
Wart disease F1	resistant	10
Wart disease F6	quite susceptible	5
Wart disease F18	-	-
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/kuras

HOW TO GROW

Phosphate	standard advice
Potassium	standard advice + 10%
Nitrogen	standard advice + 5%
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Nofy

A maincrop starch variety with a good yield and natural resistance against late blight in foliage and tuber.

- High starch content
- Good storability
- Good virus resistances



PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Oval round
Flesh colour	Light yellow
Skin colour	Yellow

RESISTANCES

Late blight - foliage	resistant	9
Late blight - tuber	slightly to not susceptible	8,5
Common scab	slightly susceptible	6
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly susceptible	6,5
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	slightly susceptible	6
White nematode Pa 2	susceptible	5
White nematode Pa 3	very susceptible	2

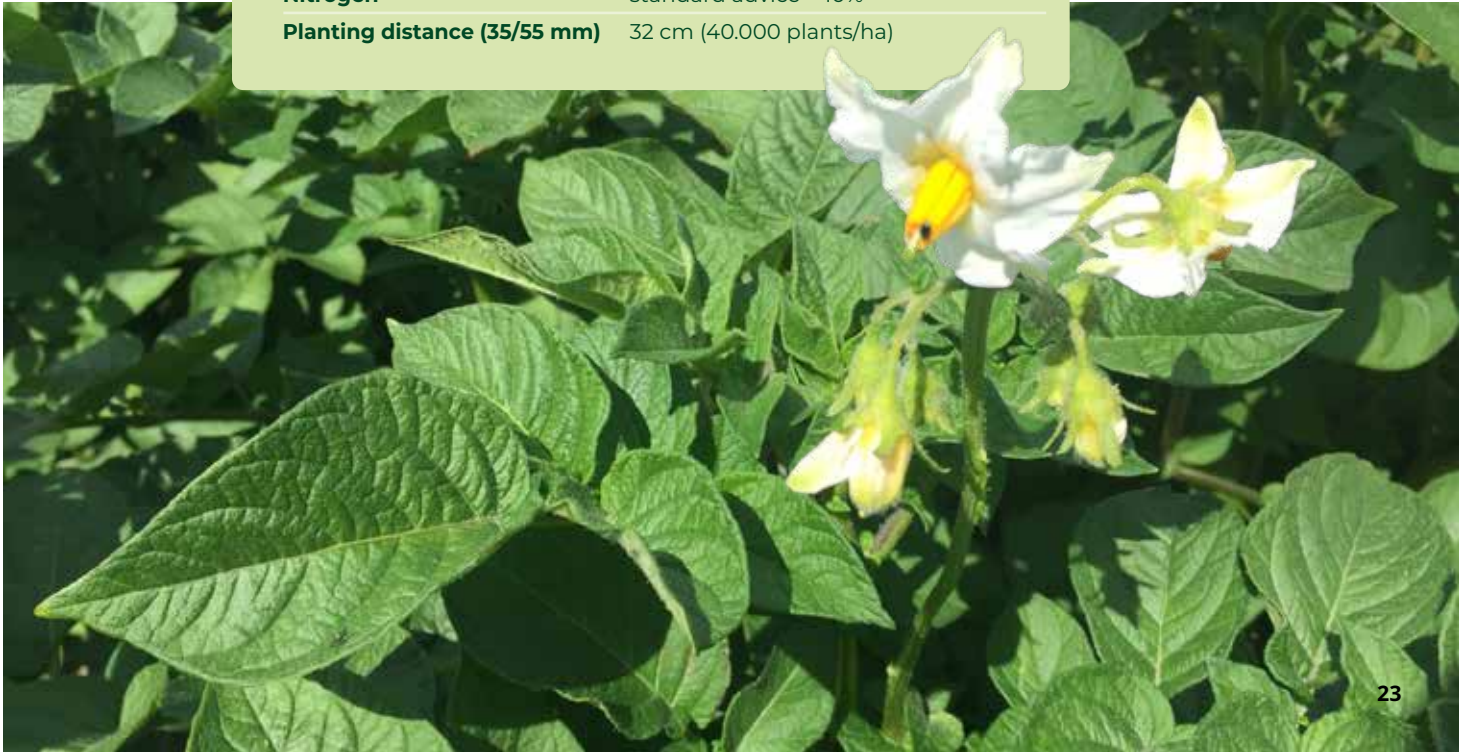
Wart disease F1	-	-
Wart disease F6	-	-
Wart disease F18	-	-
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/nofy

HOW TO GROW

Phosphate	standard advice
Potassium	standard advice + 10%
Nitrogen	standard advice + 10%
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Saprodi

Early maincrop starch variety with very favorable characteristics for flake production.

- Suitable for all areas
- High starch production
- Suitable for flakes

PLANT AND TUBER CHARACTERISTICS

Maturity	Medium late
Tuber shape	Oval
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	7

RESISTANCES

Late blight - foliage	slightly susceptible	6
Late blight - tuber	slightly susceptible	7
Common scab	slightly susceptible	7
PLRV	slightly susceptible	7
Virus A	slightly susceptible	7
Virus X	slightly susceptible	7,5
Virus Yn	slightly susceptible	7,5
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

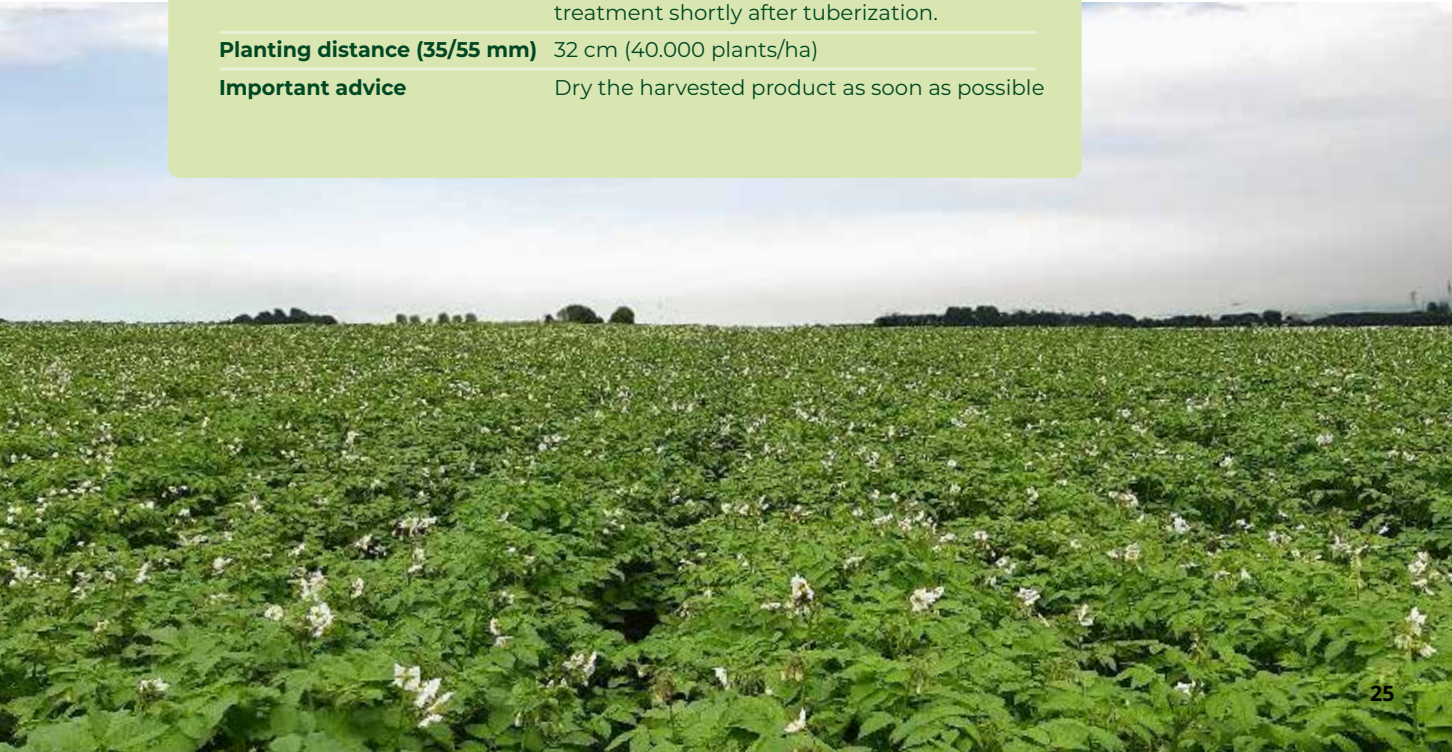
PCN tolerance		8
Wart disease F1	resistant	10
Wart disease F6	resistant	10
Wart disease F18	resistant	10
Wart disease F38		-



Scan the
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semagri.eu/saprodi

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 10%
Nitrogen	160 - 180 kg/ha (incl. soil supply)
Nitrogen additional advice	Preferably as split application, second treatment shortly after tuberization.
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)
Important advice	Dry the harvested product as soon as possible



Sarion

Late starch variety with high starch content and good drought tolerance.

- Low nitrogen requirement
- High drought tolerance
- High starch content

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	8,5

RESISTANCES

Late blight - foliage	slightly to not susceptible	8,5
Late blight - tuber	slightly susceptible	7
Common scab	slightly susceptible	6,5
PLRV	slightly susceptible	7
Virus A	slightly susceptible	7
Virus X	slightly to not susceptible	8
Virus Yn	slightly to not susceptible	8
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

PCN tolerance		6,5
Wart disease F1	resistant	10
Wart disease F6	moderately susceptible	8
Wart disease F18	resistant	10
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/sarion

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha + 10%
Nitrogen	140 - 160 kg/ha (incl. soil supply)



Senata

Medium late dual purpose variety that is ideal for early delivery.

- Dual purpose variety
- High yield
- Ideal for early harvest

PLANT AND TUBER CHARACTERISTICS

Maturity	Early maincrop
Tuber shape	Round
Flesh colour	Cream
Skin colour	Yellow
Drought tolerance	7

RESISTANCES

Late blight - foliage	slightly susceptible	7
Late blight - tuber	slightly susceptible	6
Common scab	slightly susceptible	6
PLRV	slightly susceptible	7
Virus A	slightly susceptible	6,5
Virus X	slightly susceptible	6,5
Virus Yn	slightly susceptible	7
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	resistant	9
White nematode Pa 2	resistant	9
White nematode Pa 3	slightly to not susceptible	8

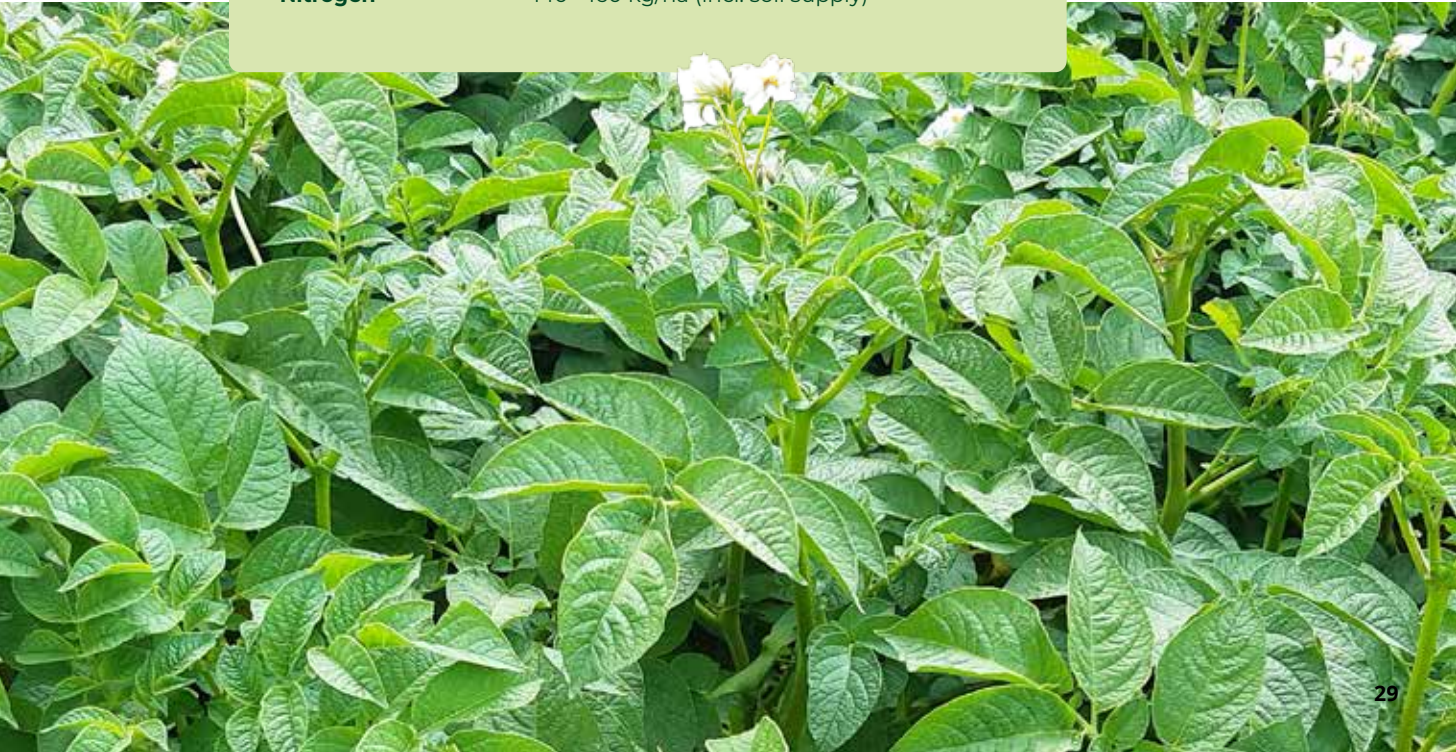
PCN tolerance		8
Wart disease F1	resistant	10
Wart disease F6	slightly susceptible	9
Wart disease F18	moderately susceptible	8
Wart disease F38	-	-



Scan the
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information
semagri.eu/senata

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 10%
Nitrogen	140 - 160 kg/ha (incl. soil supply)



Sereno

Late starch and flakes variety with a high yield and broad PCN resistances.

- High yield (KG and starch)
- Very good potato cyst nematodes resistances
- Good tuberization

PLANT AND TUBER CHARACTERISTICS

Maturity	Medium late
Tuber shape	Round
Flesh colour	Cream
Skin colour	Light yellow
Drought tolerance	7

RESISTANCES

Late blight - foliage	slightly susceptible	6,5
Late blight - tuber	slightly susceptible	6
Common scab	slightly susceptible	7
PLRV	-	-
Virus A	slightly susceptible	7
Virus X	slightly susceptible	7,5
Virus Yn	slightly susceptible	7
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

Wart disease F1	resistant	10
Wart disease F6	very susceptible	4
Wart disease F18	-	-
Wart disease F38	resistant	10



Scan the QR-code for more information
semagri.eu/sereno

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	-
Nitrogen	160 - 180 kg/ha (incl. soil supply)
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Simphony

Late dual purpose variety with excellent storability and very good natural resistance against late blight.

- Dual purpose variety
- Good storability
- Natural resistance against late blight

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round / Oval
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	7

RESISTANCES

Late blight - foliage	slightly to not susceptible	8,5
Late blight - tuber	slightly to not susceptible	8
Common scab	slightly to not susceptible	8
PLRV	slightly susceptible	7
Virus A	slightly susceptible	7
Virus X	slightly susceptible	7,5
Virus Yn	slightly susceptible	7
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	slightly to not susceptible	8
White nematode Pa 2	resistant	9
White nematode Pa 3	resistant	9

PCN tolerance		7,5
Wart disease F1	resistant	10
Wart disease F6	resistant	10
Wart disease F18	moderately susceptible	8
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/simphony

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha + 10%
Nitrogen	160 - 180 kg/ha (incl. soil supply)
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Sofista

Medium-late maturing starch potato variety with good drought tolerance. Suitable for delivery from the field from September.

- Strong, robust potato variety
- Good drought tolerance
- Suitable for direct delivery from the field

PLANT AND TUBER CHARACTERISTICS

Maturity	Medium late
Tuber shape	Round / Oval
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	8

RESISTANCES

Late blight - foliage	slightly susceptible	6
Late blight - tuber	slightly susceptible	7
Common scab	slightly susceptible	7
PLRV	slightly susceptible	7
Virus A	slightly susceptible	7
Virus X	slightly to not susceptible	8,5
Virus Yn	slightly susceptible	7,5
Golden nematode Ro 1/4	resistant	8
Golden nematode Ro 2/3	resistant	9
White nematode Pa 2	resistant	9
White nematode Pa 3	slightly to not susceptible	8

Wart disease F1	quite susceptible	5
Wart disease F6	slightly susceptible	9
Wart disease F18	moderately susceptible	7
Wart disease F38	-	-



Scan the QR-code for more information
semagri.eu/sofista

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 15%
Nitrogen	150 - 170 kg/ha (incl. soil supply)
Planting distance (35/55 mm)	32 cm (40.000 plants/ha)



Supporter

Late starch variety with very broad resistances for nematodes

- Very good drought tolerance
- High yield (KG and starch)
- Good storability

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round
Flesh colour	White
Skin colour	Yellow
Drought tolerance	8

RESISTANCES

Late blight - foliage	slightly susceptible	6
Late blight - tuber	slightly susceptible	6,5
Common scab	susceptible	5
PLRV	slightly susceptible	7
Virus A	slightly susceptible	7
Virus X	slightly susceptible	7
Virus Yn	slightly susceptible	7
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

PCN tolerance		8
Wart disease F1	resistant	10
Wart disease F6	moderately susceptible	8
Wart disease F18	slightly susceptible	9
Wart disease F38	-	-

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 10%
Nitrogen	180 - 200 kg/ha (incl. soil supply)



Scan the QR-code for more information
semagri.eu/supporter



Spark

New starch variety with full PCN resistance and a low nitrogen requirement.

- Above average yield
- Low nitrogen requirement
- High PCN tolerance

PLANT AND TUBER CHARACTERISTICS

Maturity	Late
Tuber shape	Round oval
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	7,5

RESISTANCES

Late blight - foliage	slightly susceptible	7,5
Late blight - tuber	slightly susceptible	7
Common scab	slightly susceptible	6
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly susceptible	7
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

PCN tolerance		8,5
Wart disease F1	resistant	10
Wart disease F6	resistant	10
Wart disease F18	resistant	10
Wart disease F38	-	-



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semagri.eu/spark

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 15%
Nitrogen	120 - 150 kg/ha (incl. soil supply)



Solution

Early maincrop starch variety with full PCN resistances and resistance to all wart disease pathotypes currently known in the Netherlands.

- Full wart disease resistance (incl. F38)
- Multiple potato cyst nematodes resistances
- Low nitrogen requirement

PLANT AND TUBER CHARACTERISTICS

Maturity	Medium late
Tuber shape	Oval
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	7

RESISTANCES

Late blight - foliage	slightly susceptible	7
Late blight - tuber	slightly susceptible	6
Common scab	slightly to not susceptible	8
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly susceptible	7
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

PCN tolerance		6,5
Wart disease F1	resistant	10
Wart disease F6	resistant	10
Wart disease F18	resistant	10
Wart disease F38	resistant	10



Scan the QR-code for more information
semagri.eu/solution

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha - 15%
Nitrogen	140 - 160 kg/ha (incl. soil supply)



Skarlos

New, late starch variety with broad resistances, good yield and good starch content.

- Broad PCN resistances
- Broad wart disease resistances
- Above average starch yield

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Oval
Flesh colour	Light yellow
Skin colour	Yellow
Drought tolerance	Strong

RESISTANCES

Late blight - foliage	slightly susceptible	6
Late blight - tuber	slightly susceptible	6
Common scab	susceptible	5
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly susceptible	6,5
Golden nematode Ro 1/4	resistant	9
Golden nematode Ro 2/3	resistant	9
White nematode Pa 2	resistant	9
White nematode Pa 3	slightly to not susceptible	8

Wart disease F1	resistant	10
Wart disease F6	resistant	10
Wart disease F18	resistant	10



Scan the QR-code for more information
semagri.eu/skarlos

HOW TO GROW

Phosphate	advice based on soil analysis
Potassium	220 – 240 kg/ha
Nitrogen	180 kg/ha (incl. soil supply)



Proton (PL 15-0706)

NEW

Late starch variety with virus resistance and natural resistance against late blight.

- High starch content
- Good virus resistance
- Multiple nematode resistances

PCN tolerance	-	-
Wart disease F1	-	-
Wart disease F6	-	-
Wart disease F18	very susceptible*	1*
Wart disease F38	-	-



Scan the
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for more
information
semagri.eu/proton

PLANT AND TUBER CHARACTERISTICS

Maturity	Maincrop
Tuber shape	Round oval
Flesh colour	Light yellow
Skin colour	Yellow

RESISTANCES

Late blight - foliage	slightly susceptible	6
PLRV	-	-
Virus A	-	-
Virus X	-	-
Virus Yn	slightly to not susceptible	8
Golden nematode Ro 1/4	resistant*	9*
Golden nematode Ro 2/3	resistant*	9*
White nematode Pa 2	slightly to not susceptible	8*
White nematode Pa 3	susceptible*	5*



SENSITIVITY AND QUALITY

Wart disease F1, F6, F18,F38

1 very susceptible; 2 very susceptible; 3 very susceptible; 4 very susceptible; 5 quite susceptible; 6 quite susceptible; 7 moderate susceptible; 8 moderate susceptible; 9 slightly susceptible; 10 resistant

**Late blight - foliage
and tuber; Common scab; PLRV;
Virus-A; Virus-X; Virus - Yn;**

2 very susceptible; 2,5 very susceptible;
3 very susceptible; 3,5 very susceptible;
4 very susceptible; 4,5 very susceptible;
5 susceptible; 5,5 susceptible; 6
slightly susceptible; 6,5 slightly
susceptible; 7 slightly susceptible;
7,5 slightly susceptible; 8 slightly to
not susceptible; 8,5 slightly to not
susceptible; 9 slightly to not susceptible

Potato cyst nematodes

Golden nematode: Ro 1, 2, 3 and 4

White nematode: Pa 2 and 3

Class % relative sensitivity

9 < 1

8 1,1-3

7 3,1-5

6 5,1-10

5 10,1-15

4 15,1-25

3 25.1-50

2 50.1-100

1 > 100

1 susceptible; 2 susceptible;

3 susceptible; 4 susceptible; 5

moderately susceptible; 6 moderately

susceptible; 7 field resistant; 8

field resistant; 9 resistant

NEXT GENERATION VARIETIES

Varieties marked with the Next Generation symbol are natural resistant to late blight.



PLANT AND TUBER CHARACTERISTICS

Maturity

4 maincrop; 4,5 maincrop; 5
maincrop; 5,5 early maincrop; 6
early maincrop; 6,5 second early; 7
second early; 7,5 early; 8 first
early; 8,5 first early; 9 first early

Skin colour

Y yellow; R red;

Y/R yellow with red eyes;

RUS russet;

P purple;

Flesh colour

4 white; 4,5 white; 5 cream; 5,5 cream; 6 light yellow; 6,5 light yellow; 7 yellow; 7,5 yellow; 8 deep yellow; 8,5 orange

NOTES

[illegible]

DISCLAIMER

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