



BioSelect
an Agrico brand

**from sprout
to tuber
100% organic**

Focus on even better resistance

Agrico’s product range includes specialized potato varieties marketed under the ‘Next Generation’ label. These varieties exhibit high resistance to late blight, scoring 8 or more for both foliage and tuber, and are available across all market segments in which Agrico operates.



The past two years have clearly underlined the importance of good late blight resistance. Both growing seasons experienced significant late blight outbreaks. In 2023 the fungus gained momentum later in the season, while the previous growing season presented early infestations. Our Next Generation varieties have consistently demonstrated their effectiveness during these challenging years.

The ‘Next Generation’ label has proven invaluable in both conventional and organic potato cultivation. In the early years, our focus was primarily on organic farming with these varieties, but in recent years the conventional sector has also recognized the value of these varieties, each with unique resistance genes. This is a positive development, as these varieties significantly reduce yield loss risks for growers caused by significant late blight infestations. The term ‘robust varieties’ is frequently used and I believe it encompasses more than just late blight resistance. Robustness also implies lower input in potato cultivation, such as decreased use of nitrogen.

This is a crucial aspect that we, at Agrico, prioritize. Our breeding also focuses on the robustness of our varieties.

Our Next Generation name is exclusively reserved for potato varieties with specific late blight resistance. The Next Generation brand is now well-established in the industry, and in the coming years, we aim to further enhance this brand and add even more value.

In practical terms, this means we are dedicated to developing new varieties with cumulative late blight resistance, providing even better protection against this fungal disease. In the years ahead, we plan to introduce these innovative varieties to the market. Challenging times require strong varieties with effective late blight resistance, and Agrico is leading the way in this field. Will you join us? During our Varieties Show, we would be delighted to share more about our existing varieties and our promising new varieties in the pipeline. ■

Mark Zuidhof
General Director

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Disclaimer
Agrico has taken all reasonable care in producing these variety descriptions. However, please note that any information may be subject to change and Agrico accepts no responsibility for errors or omissions. In no event shall Agrico be liable for damages arising from or related to the information contained within these descriptions.



100% organic!

BioSelect, from sprout to tuber 100% organic!

- ▶ Market leader in organic seed and ware potatoes
- ▶ Next Generation potato varieties
- ▶ Sustainably produced potatoes
- ▶ Optimal quality
- ▶ Strong portfolio of varieties in all segments

BioSelect is an Agrico brand and specializes in the cultivation and trade of organic seed and ware potatoes. BioSelect is a market leader in organic potato cultivation. Along with our growers, we focus on producing high-quality potatoes every year, which we sell to the retail and processing industries (plus others).

At BioSelect, we work exclusively with organic propagation material for ware potato cultivation. Our affiliated growers are organic potato farming professionals, who continually strive

to produce the best possible products from the land, whilst minimizing the impact on the environment and the world in which we live. This intensive collaboration enables us to deliver the highest possible quality.

BioSelect growers supplying to the retail sector have access to Agrico's whole range of Next Generation varieties. These sustainable varieties have enhanced late blight resistance, and their added value is continually growing.

Buying from BioSelect

At BioSelect, we offer a wide range of Next Generation varieties. Our research company in Bant works intensively on developing innovative potato varieties that are perfectly aligned to your needs, as a buyer. Additionally, we are fully committed to helping you simplify your logistics processes. Our direct channels from farm to the final point of delivery allow us to deliver quickly and accurately.

Next Generation: the link between yield and sustainability

Agrico's Next Generation varieties, with natural late blight resistance, play a crucial role in organic potato cultivation. The natural resistances in these varieties contribute directly to growers' yield security by significantly reducing the risk of crop failure. They are also the link between meeting the global need for sustainability and increased yield security, while maintaining excellent consumption characteristics. This marks a significant step towards a future in which late blight is less of a threat to potatoes, thanks to Agrico Research's innovative plant breeding. ■





An overview of our high-yielding potato varieties

At BioSelect, we are aware of the challenges in the organic market. To prepare for a sustainable future, we continually work towards enhancing our portfolio of varieties and developing future-proof varieties. The intensive breeding program at our breeding and research company, Agrico Research, focuses strongly on developing resistant varieties that are closely aligned to market needs. Whether our customers desire late blight resistance, a beautiful skin color, or excellent flavor, BioSelect has a suitable variety for every market segment. ■

Name	Market segment				Next Generation	Characteristics								Resistances					
						Maturity	Skin colour	Flesh colour	Tuber shape	Dry matter content	Cooking type	Crisping quality	Frying quality	Ro 1,4	Ro 2,3	Pa 2	Pa 3	Late blight foliage	Late blight tuber
Agria	✓	Fresh	French fries, crisps, convenience			5	Y	7	OL	21,8%	BC	7	8	9	-	2	2	5,5	7
Levante	✓	Fresh		✓		5,5	Y	6	LO	19,9%	B	4,5	5,5	9	-	-	-	8,5	7,5
Alouette	✓	Fresh	Convenience	✓		6	Y	7,5	OL	21,1%	AB	-	6,5	9	8	-	-	9	9
Jacky		Baby potatoes	Convenience	✓		6,5	Y	6,5	RO	20,1%	B	5	5,5	9	-	-	-	9	9
Twinner	✓	Fresh		✓		7,5	Y	7	O	19,7%	AB	5	6,5	9	-	-	-	8	9
Twister	✓	Fresh		✓		7	Y	6,5	RO	19%	AB	4	5	9	-	-	-	9	9
Nirvana			French fries	✓		5,5	Y	7	O	22,8%	BC	6	7	-	-	5	2	9	9
Beyonce			Crisps, flakes	✓		6	Y	6,5	OR	23,9%	BC	8	7	4	-	-	-	8,5	7,5
Carolus	✓	Fresh		✓		6	Y/R	7	O	21,6%	BC	7	7	-	-	-	-	9	9
Ditta		Fresh, salads				6	Y	6,5	LO	20,2%	A	4	5,5	9	-	-	-	5,5	7
Sevilla		Retail	Crisps, French fries			4,5	Y	7	O	21%	C	-	7,5	-	-	-	-	9	-

Agria.



Maincrop, yellow fleshed, processing variety with a good yield and a very stable quality.

- » Excellent frying quality
- » Multiple virus resistances
- » Good storability

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice - 10%.

Phosphate: standard advice.

Potassium: standard advice + 10%.

¹ Level of fertilization is based on soil analysis

Seed treatment

A short heat shock or proper pre-sprouting is recommended.

Proper pre-sprouting after taking off the top sprout

can give a positive result on the tuber set.

Planting distance

28/35 mm: 25 cm (54.000 plants/ha)

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

50/55 mm: 40 cm (33.000 plants/ha)

Harvest

Due to its sensitivity scores for black spot and/or harvest damage, wait at least three weeks after haulm killing before harvest.

Storage

Preferred storage temperature is 4 °C. For processing purposes, do not store below 7 °C. Suitable for long term storage.



agricopotatoes.com/agria

General characteristics

Breeder: Böhm

Crossing: QUARTA x SEMLO

Seedling: BM 77-0945

Breeders' right: Expired

Plant and tuber characteristics

Maturity: maincrop / 5

Light sprout colour: blue violet

Flower colour: white

Number of berries: none / 8

Foliage - initial development: quite fast / 7

Foliage - final development: good / 8

Foliage - firmness: quite firm / 7

Flesh colour: yellow / 7

Skin colour: yellow

Skin finish: average / 6

Tuber size: large / 8

Tuber shape: oval long

Regularity of tuber shape: regular / 7

Tuberisation: quite low / 5

Regularity of tuber size: regular / 7

Sensitivity and quality

Dormancy: long / 8

Ethylene: 5% to 15% more tubers / 6

Secondary growth: quite sensitive / 6

Growth cracks: quite sensitive / 6,5

Black spot bruising: quite sensitive / 6

Harvest damage: sensitive / 5

Underwater weight: 402

Dry matter content: 21,8%

Dry matter distribution: average / 6,5

TGA - level: 2,7

Crisping quality: good / 7

Fries quality: excellent / 8

Cooking type: floury / BC

Raw discolouration: slightly sensitive / 7

Discolouration after cooking: slightly

sensitive / 7

Resistances

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: - / -

White nematode Pa 2: susceptible / 2

White nematode Pa 3: susceptible / 2

Late blight - foliage: susceptible / 5,5

Late blight - tuber: slightly susceptible / 7

Common scab: very susceptible / 4,5

Powdery scab: very susceptible / 3

Fusarium: slightly susceptible / 6,5

Black dot: - / -

Spraing: slightly susceptible / 7

Virus - Leafroll: slightly susceptible / 6

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn: slightly susceptible / 7

Wart disease F1: slightly susceptible / 9

Wart disease F6: quite susceptible / 6

Wart disease F18: - / -



Levante.



An early maincrop, high yielding ware variety with a nice yellow skin and late blight resistance in foliage and tuber.

- » High tuberisation
- » Good skin finish
- » Good storability

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice. Preferably as split application, second treatment shortly after tuberisation.

Phosphate: standard advice.

Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

A short heat shock or proper pre-sprouting is recommended. Preferably plant the tubers into warm soil, as the initial development of this variety is slow. Desprouting can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 22 cm (60.500 plants/ha)

35/55 mm: 27 cm (49.500 plants/ha)

Storage

Preferred storage temperature is 4 °C. Suitable for medium to long term storage.



agricopotatoes.com/levante

General characteristics

Breeder: Agrico Research B.V.
Crossing: AR 01-3218 x ALMERA
Seedling: AR 07-3009
Breeders' right: 31-12-2048

Plant and tuber characteristics

Maturity: early maincrop / 5,5
Light sprout colour: green red
Flower colour: white
Number of berries: above average / 5,5
Foliage - initial development: quite fast / 7
Foliage - final development: good / 8
Foliage - firmness: quite firm / 7
Flesh colour: light yellow / 6

Skin colour: yellow
Skin finish: good / 7

Tuber size: quite large / 7
Tuber shape: long oval
Regularity of tuber shape: quite regular / 6,5
Tuberisation: high / 8
Regularity of tuber size: regular / 7

Sensitivity and quality

Dormancy: average / 6,5
Ethylene: 5% fewer tubers / 4
Secondary growth: slightly sensitive / 7
Growth cracks: slightly sensitive / 7
Black spot bruising: quite sensitive / 6,5

Harvest damage: quite sensitive / 6
Underwater weight: 365

Dry matter content: 19,9%
Dry matter distribution: - / -
TGA - level: 4,73

Crisping quality: unsuitable / 4,5
Fries quality: below average / 5,5
Cooking type: rather floury / B
Raw discolouration: sensitive / 5,5
Discolouration after cooking: slightly sensitive / 7

Resistances

Golden nematode Ro 1/4: resistant / 9
Golden nematode Ro 2/3: - / -
White nematode Pa 2: - / -
White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 8,5
Late blight - tuber: slightly susceptible / 7,5

Common scab: susceptible / 5
Powdery scab: slightly susceptible / 6,5
Fusarium: slightly susceptible / 6

Black dot: slightly susceptible / 7,5
Spraing: very susceptible / 4,5
Virus - Leafroll: - / -
Virus - Yn: slightly susceptible / 6
Virus - Yntn: slightly to not susceptible / 8,5

Wart disease F1: - / -
Wart disease F6: - / -
Wart disease F18: - / -



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Alouette.



An early maincrop, versatile, red skin ware variety with late blight resistance in foliage and tuber, suitable for conventional and organic production.

- ▶ Good tolerance against bruising
- ▶ Suitable for cooking and home baked products
- ▶ Good drought tolerance

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice + 10%.

Phosphate: standard advice.

Potassium: standard advice + 20%.

¹ Level of fertilization is based on soil analysis

Seed treatment

Preferably plant the tubers into warm soil, as the initial development of this variety is slow. Proper pre-sprouting after taking off the top sprout can give a positive result on the tuber set. Desprouting more than once can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 20 cm (67.000 plants/ha)

35/55 mm: 25 cm (54.000 plants/ha)

Storage

Preferred storage temperature is 4 °C.

Suitable for medium term storage.



agricopotatoes.com/alouette

General characteristics

Breeder: Agrico Research B.V.

Crossing: AR 02-139-1 x LAURA

Seedling: AR 04-3153

Breeders' right: 31-12-2044

Plant and tuber characteristics

Maturity: early maincrop / 6

Light sprout colour: red violet

Flower colour: light purple

Number of berries: very high / 4

Foliage - initial development: fast / 8

Foliage - final development: good / 8

Foliage - firmness: quite firm / 7,5

Flesh colour: yellow / 7,5

Skin colour: red

Skin finish: good / 7

Tuber size: quite large / 7

Tuber shape: oval long

Regularity of tuber shape: regular / 7

Tuberisation: average / 6

Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: average / 6

Ethylene: 5% fewer tubers / 4

Secondary growth: quite sensitive / 6,5

Growth cracks: quite sensitive / 6,5

Black spot bruising: slightly to not sensitive / 8

Harvest damage: quite sensitive / 6

Underwater weight: 389

Dry matter content: 21,1%

Dry matter distribution: - / -

TGA - level: 3,6

Crisping quality: - / -

Fries quality: above average / 6,5

Cooking type: rather firm / AB

Raw discolouration: slightly sensitive / 7

Discolouration after cooking: slightly sensitive / 7

Resistances

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: field resistant / 8

White nematode Pa 2: - / -

White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 9

Late blight - tuber: slightly to not susceptible / 9

Common scab: slightly susceptible / 6

Powdery scab: slightly susceptible / 6,5

Fusarium: slightly susceptible / 7,5

Black dot: - / -

Spraing: susceptible / 5,5

Virus - Leafroll: - / -

Virus - Yn: slightly to not susceptible / 8

Virus - Yntn: slightly susceptible / 7

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -



Jacky.



A second early, small size ware variety with a high yield and late blight resistance in foliage and tuber.

- » Rather floury cooking
- » High tuberisation
- » Good tolerance against bruising and damage

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice.
Phosphate: standard advice.
Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

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

Planting distance

28/35 mm: 20 cm (67.000 plants/ha)
 35/55 mm: 25 cm (54.000 plants/ha)

Storage

Preferred storage temperature is 4 °C.
 Suitable for medium term storage.



agricopotatoes.com/jacky

General characteristics

Breeder: Lantmännen Seed B.V.
Crossing: ANOUK x ATHLETE
Seedling: SW 09-0557
Breeders' right: 31-12-2049

Plant and tuber characteristics

Maturity: second early / 6,5
Light sprout colour: green red
Flower colour: light purple
Number of berries: below average / 6,5
Foliage - initial development: quite fast / 7,5
Foliage - final development: quite good / 7,5
Foliage - firmness: quite firm / 7
Flesh colour: light yellow / 6,5

Skin colour: yellow

Skin finish: above average / 6,5

Tuber size: average / 6,5

Tuber shape: round oval

Regularity of tuber shape: quite regular / 6,5

Tuberisation: high / 9

Regularity of tuber size: quite regular / 6

Sensitivity and quality

Dormancy: quite short / 5,5
Ethylene: 15% to 25% more tubers / 7
Secondary growth: quite sensitive / 6
Growth cracks: quite sensitive / 6,5
Black spot bruising: slightly to not sensitive / 8

Harvest damage: slightly to not sensitive / 8

Underwater weight: 368

Dry matter content: 20,1%

Dry matter distribution: good / 7

TGA - level: 14,05

Crisping quality: unsuitable / 5

Fries quality: below average / 5,5

Cooking type: rather floury / B

Raw discolouration: quite sensitive / 6

Discolouration after cooking: quite sensitive / 6,5

Resistances

Golden nematode Ro 1/4: resistant / 9
Golden nematode Ro 2/3: - / -
White nematode Pa 2: - / -
White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 9

Late blight - tuber: slightly to not susceptible / 9

Common scab: susceptible / 5,5

Powdery scab: very susceptible / 2

Fusarium: susceptible / 5,5

Black dot: slightly susceptible / 6

Spraing: slightly susceptible / 6

Virus - Leafroll: - / -

Virus - Yn: susceptible / 5

Virus - Yntn: slightly to not susceptible / 8

Wart disease F1: - / -

Wart disease F6: - / -

Wart disease F18: - / -



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Twinner.



Early yielding ware variety for conventional and organic cultivation with late blight resistance in foliage and tuber.

- » Large tubers
- » Beautiful appearance
- » Rather firm cooking

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice + 15%. Preferably as split application, second treatment shortly after tuberisation.

Phosphate: standard advice.

Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

Can be planted directly out of the cold store, preferably after a short heat shock. Preferably plant the tubers into warm soil, as the initial development of this variety is slow.

Planting distance

28/35 mm: 22 cm (60.500 plants/ha)

35/50 mm: 25 cm (54.000 plants/ha)

Storage

Preferred storage temperature is 4 °C.

Suitable for medium term storage.



agricopotatoes.com/twinner

General characteristics

Breeder: G.W. te Winkel

Crossing: MA 98-0032 x AR 00-87-22

Seedling: TW 07-0807

Breeders' right: 31-12-2046

Plant and tuber characteristics

Maturity: early / 7,5

Light sprout colour: red violet

Flower colour: white

Number of berries: high / 4,5

Foliage - initial development: quite fast / 7,5

Foliage - final development: average / 7

Foliage - firmness: quite firm / 7

Flesh colour: yellow / 7

Skin colour: yellow

Skin finish: good / 7

Tuber size: quite large / 7,5

Tuber shape: oval

Regularity of tuber shape: regular / 7

Tuberisation: quite low / 5

Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: average / 6

Ethylene: 15% to 25% more tubers / 7

Secondary growth: quite sensitive / 6,5

Growth cracks: slightly sensitive / 7

Black spot bruising: slightly sensitive / 7,5

Harvest damage: quite sensitive / 6,5

Underwater weight: 359

Dry matter content: 19,7%

Dry matter distribution: - / -

TGA - level: 7,8

Crisping quality: unsuitable / 5

Fries quality: above average / 6,5

Cooking type: rather firm / AB

Raw discolouration: quite sensitive / 6

Discolouration after cooking: quite sensitive / 6,5

Resistances

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 8

Late blight - tuber: slightly to not susceptible / 9

Common scab: susceptible / 5,5

Powdery scab: very susceptible / 4

Fusarium: slightly susceptible / 6

Black dot: slightly susceptible / 6,5

Spraing: slightly susceptible / 6

Virus - Leafroll: - / -

Virus - Yn: slightly susceptible / 7

Virus - Yntn: susceptible / 5

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -



Twister.



A second early ware variety for conventional and organic cultivation with a good yield and late blight resistance in foliage and tuber.

- » Beautiful appearance
- » Good storability
- » Rather firm cooking

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice + 20%.
Phosphate: standard advice.
Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

Can be planted directly out of the cold store, preferably after a short heat shock. Desprouting once is optional.

Planting distance

28/35 mm: 22 cm (60.500 plants/ha)
35/50 mm: 25 cm (54.000 plants/ha)

Storage

Preferred storage temperature is 6 °C. Suitable for medium to long term storage.



agricopotatoes.com/twister

General characteristics

Breeder: G.W. te Winkel
Crossing: ARG 96-0739 x AR 02-9113
Seedling: TW 08-1507
Breeders' right: 31-12-2048

Plant and tuber characteristics

Maturity: second early / 7
Light sprout colour: red violet
Flower colour: light purple
Number of berries: above average / 5,5
Foliage - initial development: quite fast / 7
Foliage - final development: quite good / 7,5
Foliage - firmness: quite firm / 7
Flesh colour: light yellow / 6,5

Skin colour: yellow
Skin finish: good / 7

Tuber size: quite large / 7
Tuber shape: round oval
Regularity of tuber shape: regular / 7
Tuberisation: average / 6
Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: average / 7
Ethylene: 5% fewer tubers / 4
Secondary growth: quite sensitive / 6,5
Growth cracks: quite sensitive / 6,5
Black spot bruising: slightly to not sensitive / 8

Harvest damage: slightly sensitive / 7
Underwater weight: 345

Dry matter content: 19%
Dry matter distribution: - / -
TGA - level: 5,63

Crisping quality: unsuitable / 4
Fries quality: unsuitable / 5
Cooking type: rather firm / AB
Raw discolouration: quite sensitive / 6
Discolouration after cooking: quite sensitive / 6,5

Resistances

Golden nematode Ro 1/4: resistant / 9
Golden nematode Ro 2/3: - / -
White nematode Pa 2: - / -
White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 9
Late blight - tuber: slightly to not susceptible / 9

Common scab: slightly susceptible / 6
Powdery scab: susceptible / 5
Fusarium: slightly susceptible / 6

Black dot: slightly susceptible / 7
Spraing: slightly susceptible / 6
Virus - Leafroll: - / -
Virus - Yn: slightly to not susceptible / 8
Virus - Yntn: slightly to not susceptible / 8

Wart disease F1: moderately susceptible / 8
Wart disease F6: - / -
Wart disease F18: - / -



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Nirvana.



An early maincrop processing variety suitable for the French fries industry with late blight resistance in foliage and tuber.

- » High dry matter content
- » Good dry matter distribution
- » Late blight resistance

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice.
Phosphate: standard advice.
Potassium: standard advice + 25%.

¹ Level of fertilization is based on soil analysis

Seed treatment

Proper pre-sprouting after taking off the top sprout can give a positive result on the tuber set.

Planting distance

28/35 mm: 25 cm (54.000 plants/ha)
 35/55 mm: 30 cm (45.000 plants/ha)
 50/55 mm: 40 cm (33.000 plants/ha)

Storage

For processing purposes, do not store below 7 °C.
 Suitable for medium to long term storage.



agricopotatoes.com/nirvana

General characteristics

Breeder: Agrico Research B.V.
Crossing: CAROLUS x PERFORMER
Seedling: AR 10-2460
Breeders' right: 31-12-2051

Plant and tuber characteristics

Maturity: early maincrop / 5,5
Light sprout colour: red
Flower colour: purple
Number of berries: below average / 6,5
Foliage - initial development: quite fast / 7,5
Foliage - final development: good / 8
Foliage - firmness: firm / 8
Flesh colour: yellow / 7

Skin colour: yellow
Skin finish: quite poor / 5

Tuber size: quite large / 7,5
Tuber shape: oval
Regularity of tuber shape: regular / 7
Tuberisation: average / 6
Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: long / 8
Ethylene: 25% more tubers / 8
Secondary growth: quite sensitive / 6
Growth cracks: slightly sensitive / 7
Black spot bruising: quite sensitive / 6,5

Harvest damage: sensitive / 5
Underwater weight: 422

Dry matter content: 22,8%
Dry matter distribution: excellent / 8
TGA - level: 4,85

Crisping quality: average / 6
Fries quality: good / 7
Cooking type: floury / BC
Raw discolouration: sensitive / 5
Discolouration after cooking: quite sensitive / 6,5

Resistances

Golden nematode Ro 1/4: - / -
Golden nematode Ro 2/3: - / -
White nematode Pa 2: / 5
White nematode Pa 3: susceptible / 2

Late blight - foliage: slightly to not susceptible / 9
Late blight - tuber: slightly to not susceptible / 9

Common scab: susceptible / 5
Powdery scab: slightly to not susceptible / 8
Fusarium: slightly to not susceptible / 8

Black dot: susceptible / 5,5
Spraing: susceptible / 5,5
Virus - Leafroll: - / -
Virus - Yn: susceptible / 5,5
Virus - Yntn: susceptible / 5,5

Wart disease F1: very susceptible / 1
Wart disease F6: - / -
Wart disease F18: - / -



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Beyonce.



An early maincrop, crisping variety with a good dry matter content, suitable for medium term storage and late blight resistance in foliage and tuber.

- » Large tubers
- » Good dormancy
- » Quite high tuberisation

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice.
Phosphate: standard advice.
Potassium: standard advice + 25%.

¹ Level of fertilization is based on soil analysis

Seed treatment

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

Planting distance

28/35 mm: 22-24 cm (58.000 plants/ha)
 35/55 mm: 26-28 cm (50.000 plants/ha)

Storage

Preferred storage temperature is 8 °C.
 Suitable for medium term storage.



agricopotatoes.com/beyonce

General characteristics

Breeder: Agrico Research B.V.
Crossing: AR 94-2061 x LADY JO
Seedling: AR 08-3271
Breeders' right: 31-12-2049

Plant and tuber characteristics

Maturity: early maincrop / 6
Light sprout colour: blue violet
Flower colour: purple
Number of berries: very high / 4
Foliage - initial development: quite fast / 7,5
Foliage - final development: good / 8
Foliage - firmness: quite firm / 7,5
Flesh colour: light yellow / 6,5

Skin colour: yellow
Skin finish: below average / 5,5

Tuber size: quite large / 7,5
Tuber shape: oval round
Regularity of tuber shape: quite regular / 6,5
Tuberisation: quite high / 7
Regularity of tuber size: regular / 7

Sensitivity and quality

Dormancy: quite short / 5,5
Ethylene: 5% fewer to 5% more tubers / 5
Secondary growth: quite sensitive / 6
Growth cracks: quite sensitive / 6,5
Black spot bruising: slightly sensitive / 7,5

Harvest damage: quite sensitive / 6
Underwater weight: 446

Dry matter content: 23,9%
Dry matter distribution: average / 6,5
TGA - level: 6,5

Crisping quality: excellent / 8
Fries quality: good / 7
Cooking type: floury / BC
Raw discolouration: slightly to not sensitive / 8
Discolouration after cooking: slightly sensitive / 7

Resistances

Golden nematode Ro 1/4: susceptible / 4
Golden nematode Ro 2/3: - / -
White nematode Pa 2: - / -
White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 8,5
Late blight - tuber: slightly susceptible / 7,5

Common scab: susceptible / 5,5
Powdery scab: slightly susceptible / 6
Fusarium: slightly susceptible / 7,5

Black dot: slightly susceptible / 7,5
Spraing: slightly susceptible / 6
Virus - Leafroll: - / -
Virus - Yn: susceptible / 5,5
Virus - Yntn: susceptible / 5

Wart disease F1: - / -
Wart disease F6: - / -
Wart disease F18: - / -



BioSelect
 an Agrico brand

Carolus.



An early maincrop, multipurpose ware variety with attractive red eyes and late blight resistance in foliage and tuber.

- » Multipurpose variety
- » High dry matter content
- » Flourey cooking

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice + 10%.
Phosphate: standard advice.
Potassium: standard advice + 15%.

¹ Level of fertilization is based on soil analysis

Seed treatment

A short heat shock or proper pre-sprouting is recommended. Preferably plant the tubers into warm soil, as the initial development of this variety is slow. Desprouting can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 20 cm (66.500 plants/ha)
 35/55 mm: 27-28 cm (49.000 plants/ha)

Storage

Preferred storage temperature is 4 °C. For processing purposes, do not store below 7 °C. Suitable for medium term storage.



agricopotatoes.com/carolus

General characteristics

Breeder: Agrico Research B.V.
Crossing: AGRIA x AR 00-94-17
Seedling: AR 02-3225
Breeders' right: 31-12-2043

Plant and tuber characteristics

Maturity: early maincrop / 6
Light sprout colour: blue violet
Flower colour: purple
Number of berries: very high / 4
Foliage - initial development: average / 6
Foliage - final development: good / 8
Foliage - firmness: firm / 8
Flesh colour: yellow / 7

Skin colour: yellow with red eyes
Skin finish: good / 7

Tuber size: quite large / 7
Tuber shape: oval
Regularity of tuber shape: regular / 7
Tuberisation: average / 6
Regularity of tuber size: regular / 7

Sensitivity and quality

Dormancy: average / 6,5
Ethylene: 15% to 25% more tubers / 7
Secondary growth: slightly sensitive / 7
Growth cracks: sensitive / 5,5
Black spot bruising: quite sensitive / 6

Harvest damage: sensitive / 5,5
Underwater weight: 398

Dry matter content: 21,6%
Dry matter distribution: excellent / 8
TGA - level: 5,4

Crisping quality: good / 7
Fries quality: good / 7
Cooking type: flourey / BC
Raw discolouration: slightly sensitive / 7
Discolouration after cooking: quite sensitive / 6

Resistances

Golden nematode Ro 1/4: - / -
Golden nematode Ro 2/3: - / -
White nematode Pa 2: - / -
White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 9
Late blight - tuber: slightly to not susceptible / 9

Common scab: susceptible / 5
Powdery scab: susceptible / 5
Fusarium: slightly susceptible / 6

Black dot: slightly susceptible / 6
Spraing: slightly susceptible / 6
Virus - Leafroll: - / -
Virus - Yn: slightly susceptible / 7
Virus - Yntn: slightly susceptible / 7

Wart disease F1: resistant / 10
Wart disease F6: - / -
Wart disease F18: - / -



Ditta.



A versatile, early maincrop ware and salad potato, suitable for conventional and organic cultivation.

- » Excellent consumption quality
- » Good storability
- » Multiple resistances

MARKET SEGMENT



How to grow

Fertilization¹

Nitrogen: standard advice - 10%.

Phosphate: standard advice.

Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

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

Planting distance

28/35 mm: 22 cm (60.500 plants/ha)

35/50 mm: 27 cm (50.000 plants/ha)

Storage

Preferred storage temperature is 4 °C.

Suitable for medium term storage.



agricopotatoes.com/ditta

General characteristics

Breeder: Nieder Österreichische

Saatbaugenossenschaft

Crossing: BINTJE x QUARTA

Seedling: SW 80-0540

Breeders' right: Expired

Plant and tuber characteristics

Maturity: early maincrop / 6

Light sprout colour: blue violet

Flower colour: white

Number of berries: very high / 4

Foliage - initial development: quite fast / 7,5

Foliage - final development: good / 8

Foliage - firmness: quite firm / 7

Flesh colour: light yellow / 6,5

Skin colour: yellow

Skin finish: good / 7

Tuber size: quite large / 7

Tuber shape: long oval

Regularity of tuber shape: regular / 7

Tuberisation: quite high / 7

Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: average / 7

Ethylene: - / -

Secondary growth: quite sensitive / 6

Growth cracks: quite sensitive / 6,5

Black spot bruising: slightly sensitive / 7

Harvest damage: sensitive / 5,5

Underwater weight: 369

Dry matter content: 20,2%

Dry matter distribution: - / -

TGA - level: -

Crisping quality: unsuitable / 4

Fries quality: below average / 5,5

Cooking type: firm / A

Raw discolouration: very sensitive / 4

Discolouration after cooking: quite sensitive / 6

Resistances

Golden nematode Ro 1/4: resistant / 9

Golden nematode Ro 2/3: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -

Late blight - foliage: susceptible / 5,5

Late blight - tuber: slightly susceptible / 7

Common scab: slightly susceptible / 6

Powdery scab: slightly susceptible / 6,5

Fusarium: slightly susceptible / 6

Black dot: slightly susceptible / 6

Spraing: susceptible / 5

Virus - Leafroll: / 7

Virus - Yn: slightly susceptible / 7,5

Virus - Yntn: susceptible / 5

Wart disease F1: resistant / 10

Wart disease F6: - / -

Wart disease F18: - / -



Sevilla.



A maincrop variety with good underwater weight, delicious flavour and Phytophthora resistance in foliage and tuber.

- » Late blight resistant
- » Low nitrogen requirement
- » Good drought tolerance

MARKET SEGMENT



Retail
Retail

Processing
Crisps, French fries

How to grow

Fertilization¹

Nitrogen: standard advice - 10%.

Phosphate: standard advice.

Potassium: standard advice.

¹ Level of fertilization is based on soil analysis

Seed treatment

A short heat shock or proper pre-sprouting is recommended. Desprouting more than once can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 20 cm (67.000 plants/ha)

35/55 mm: 28 cm (48.000 plants/ha)

Storage

Preferred storage temperature is 4 °C.

For processing purposes, do not store below 8 °C. Suitable for long term storage.



agricopotatoes.com/sevilla

General characteristics

Breeder: N. Vos

Crossing: AGRIA x DOB 1997-507-015

Seedling: VOS 2006-001-001

Breeders' right: 31-12-2048

Plant and tuber characteristics

Maturity: maincrop / 4,5

Light sprout colour: -

Flower colour: purple

Number of berries: - / -

Foliage - initial development: quite fast / 7,5

Foliage - final development: quite good / 7,5

Foliage - firmness: quite firm / 7,5

Flesh colour: yellow / 7

Skin colour: yellow

Skin finish: below average / 5,5

Tuber size: quite large / 7

Tuber shape: oval

Regularity of tuber shape: quite regular / 6

Tuberisation: quite high / 7

Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: long / 8

Ethylene: - / -

Secondary growth: quite sensitive / 6

Growth cracks: quite sensitive / 6,5

Black spot bruising: slightly sensitive / 7

Harvest damage: very sensitive / 4

Underwater weight: 385

Dry matter content: 21%

Dry matter distribution: good / 7

TGA - level: -

Crisping quality: - / -

Fries quality: very good / 7,5

Cooking type: floury / C

Raw discolouration: quite sensitive / 6

Discolouration after cooking: slightly sensitive / 7,5

Resistances

Golden nematode Ro 1/4: - / -

Golden nematode Ro 2/3: - / -

White nematode Pa 2: - / -

White nematode Pa 3: - / -

Late blight - foliage: slightly to not susceptible / 9

Late blight - tuber: - / -

Common scab: very susceptible / 4,5

Powdery scab: - / -

Fusarium: susceptible / 5

Black dot: - / -

Spraing: - / -

Virus - Leafroll: - / -

Virus - Yn: - / -

Virus - Yntn: - / -

Wart disease F1: - / -




Wart disease F6: - / -

Wart disease F18: - / -




BioSelect
an Agrico brand

Market segment

 Traditional	
 Retail	• Baby potatoes, fresh, salads, specials
 Processing industry	• Crisps, convenience, flakes, French fries, starch

Next Generation varieties

	Varieties marked with the Next Generation symbol are highly resistant to late blight.
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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
Lightsprout colour	RV red violet R red BV blue violet V violet GV green violet G green GRV green red violet GR green red RBV red blue violet And all other combinations, for example: LBP light blue purple or DRV dark red violet

Flower colour	W white LP light purple P purple LB light blue B blue V violet DP dark purple BP blue purple
Number of berries	4 very high; 4,5 high; 5 above average; 5,5 above average; 6 average; 6,5 below average; 7 below average; 7,5 low; 8 none
Foliage - initial development	4 slow; 4,5 slow; 5 quite slow; 5,5 quite slow; 6 average; 6,5 average; 7 quite fast; 7,5 quite fast; 8 fast
Foliage - final development	4 poor; 4,5 poor; 5 poor; 5,5 poor; 6 poor; 6,5 moderate; 7 average; 7,5 quite good; 8 good
Foliage - firmness	4 fragile; 4,5 fragile; 5 quite fragile; 5,5 quite fragile; 6 average; 6,5 average; 7 quite firm; 7,5 quite firm; 8 firm
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
Skin finish	3 russet; 3,5 russet; 4 very poor; 4,5 poor; 5 quite poor; 5,5 below average; 6 average; 6,5 above average; 7 good; 7,5 very good; 8 excellent

Tuber shape	R round RO round oval OR oval round O oval OL oval long LO long oval L long
Regularity of tuber shape	4 irregular; 4,5 irregular; 5 quite irregular; 5,5 quite irregular; 6 quite regular; 6,5 quite regular; 7 regular; 7,5 regular; 8 regular
Tuberisation	4 low; 4,5 low; 5 quite low; 5,5 quite low; 6 average; 6,5 average; 7 quite high; 7,5 quite high; 8 high; 8,5 high; 9 high
Tuber size	4 small; 4,5 small; 5 quite small; 5,5 quite small; 6 average; 6,5 average; 7 quite large; 7,5 quite large; 8 large
Regularity of tuber size	4 irregular; 4,5 irregular; 5 quite irregular; 5,5 quite irregular; 6 quite regular; 6,5 quite regular; 7 regular; 7,5 regular; 8 regular
Dormancy	4 short; 4,5 short; 5 quite short; 5,5 quite short; 6 average; 6,5 average; 7 quite long; 7,5 quite long; 8 long

Sensitivity and quality

Secondary growth	4 very sensitive; 4,5 very sensitive; 5 sensitive; 5,5 sensitive; 6 quite sensitive; 6,5 quite sensitive; 7 slightly sensitive; 7,5 slightly sensitive; 8 slightly to not sensitive
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Black spot (internal bruising)	4 very sensitive; 4,5 very sensitive; 5 sensitive; 5,5 sensitive; 6 quite sensitive; 6,5 quite sensitive; 7 slightly sensitive; 7,5 slightly sensitive; 8 slightly to not sensitive
Growth cracks	4 very sensitive; 4,5 very sensitive; 5 sensitive; 5,5 sensitive; 6 quite sensitive; 6,5 quite sensitive; 7 slightly sensitive; 7,5 slightly sensitive; 8 slightly to not sensitiv
Harvest damage	4 very sensitive; 4,5 very sensitive; 5 sensitive; 5,5 sensitive; 6 quite sensitive; 6,5 quite sensitive; 7 slightly sensitive; 7,5 slightly sensitive; 8 slightly to not sensitive
Metribuzin, pre- and post-emergence; Bentazon	3 very sensitive; 3,5 very sensitive; 4 very sensitive; 4,5 very sensitive; 5 sensitive; 5,5 sensitive; 6 quite sensitive; 6,5 quite sensitive; 7 slightly sensitive; 7,5 slightly sensitive; 8 slightly to not sensitive
Ethylene	4 5% fewer tubers 4,5 5% fewer tubers 5 5% fewer to 5% more tubers 5,5 5% fewer to 5% more tubers 6 5% to 15% more tubers 6,5 5% to 15% more tubers 7 15% to 25% more tubers 7,5 15% to 25% more tubers 8 25% more tubers
Underwater weight	300 grams low; 500 grams high
Dry matter content	17% low; 26,5% high

Sensitivity and quality

Results marked (*) are based on our own tests and have not yet been published officially. ■

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