BioSelect
an Agrico brand



from sprout to tuber 100% organic

2026-2027

Naturally strong, organically grown



As Agrico's sub-brand for organically grown seed and table potatoes, BioSelect is committed to advancing organic potato cultivation through innovation and sustainability. Guided by our slogan, *'From sprout to tuber, 100% organic'*, we focus on developing high-quality varieties that meet the specific needs of organic growers. This approach has proven successful, resulting in a portfolio of leading, sustainable, and innovative potato varieties that are particularly well suited to organic production.



Our Next Generation varieties play a key role in this portfolio. Over the years, these varieties have consistently demonstrated their value and reliability. Thanks to their natural resistance to Phytophthora, they continue to deliver strong results, even under challenging conditions with high disease pressure.

Innovation remains an ongoing priority. An important next step in our breeding activities is the development of varieties with stacked resistance genes. By bringing together multiple resistance genes within a single variety, we strengthen the plant's ability to protect itself against Phytophthora. This creates a more durable resistance mechanism, significantly reducing the likelihood of the disease overcoming the plant's natural defences. Our breeding programmes are already actively focused on this development. Through modern breeding techniques and extensive field trials, we identify and select seedlings with the greatest potential. This enables us to gradually introduce new varieties with broader and more sustainable protection against Phytophthora, while ensuring that the requirements of customers throughout the supply chain remain a central consideration.

BioSelect potatoes are characterised by their vigour and harvest security. Achieving these qualities requires careful attention to every stage of potato production. From the development of new varieties at Agrico Research to the final quality inspections at the Agrico Quality Center before delivery, we are dedicated to maintaining high standards and delivering consistently reliable results.

Quality and continuous improvement have been fundamental to BioSelect from the very beginning. We take pride in the progress we have made together with our members and partners and look towards the future with confidence. Through strong varieties, committed members, and lasting partnerships, we continue to contribute to a more resilient and sustainable future for potato cultivation worldwide. ■

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 specializes in the production and trade of organic seed and ware potatoes. With a leading position in the organic potato sector, we work closely with our growers to supply high-quality potatoes year after year. Our products serve a wide range of customers, including the retail and processing industries, as well as other market segments.

Organic cultivation is at the heart of our approach. For ware potato production, we exclusively use organic propagation material. Our affiliated growers are experienced professionals who are dedicated to achieving the best possible results while keeping their environmental impact to a minimum. Through close cooperation and a shared commitment to quality, we ensure that our potatoes meet the highest standards.

For growers supplying the retail sector, BioSelect offers access to Agrico's complete range of Next Generation varieties. These varieties combine improved resistance to late blight with sustainable growing characteristics, making them increasingly valuable to organic potato production.

Reliable supply, tailored to your needs

BioSelect offers buyers an extensive selection of Next Generation potato varieties. At Agrico Research, continuous breeding and research efforts are focused on developing innovative varieties that meet the specific requirements of our customers.

Beyond offering the right varieties, we also aim to make the purchasing and delivery process as efficient as possible. By maintaining direct supply routes from growers to the final destination, we can provide fast, accurate deliveries while helping customers streamline their logistics.

Next Generation: combining yield security with sustainability

Agrico's Next Generation potato varieties play an essential role in the development of sustainable organic potato cultivation. Their natural resistance to late blight helps protect crops against disease, significantly reducing the risk of crop failure and improving yield security for growers.

These varieties bring together two important priorities: the growing global demand for more sustainable agricultural practices and the need for reliable, productive crops. At the same time, they maintain the excellent consumption characteristics expected by the market.
Through the innovative breeding activities of Agrico Research, we continue to make progress towards a future in which late blight poses a smaller threat to potato cultivation. With Next Generation varieties, BioSelect contributes to a more resilient and sustainable organic potato sector.



Discover our high-yielding potato varieties

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At BioSelect, we recognize the challenges within the organic market. To ensure a sustainable future, we are continuously improving our portfolio and developing varieties that are ready for tomorrow. Through the intensive breeding program at our breeding and research company, Agrico Research, we focus strongly on creating resistant varieties that meet market demands. Whether our customers are looking for late blight resistance, an attractive skin color, or outstanding flavor, BioSelect offers the right variety for every market segment. ■

Traditional

Retail
Fresh, baby potatoes, salads, specials

Processing
Starch, crisps, French fries, convenience

Page	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
8	Alouette	✓	Fresh	Convenience	✓	6	r	7,5	OL	21,1%	AB	-	6,5	9	8	-	-	9	9
10	Beyonce			Crisps, flakes	✓	6	y	6,5	OR	23,9%	BC	8	7	4	-	-	-	8,5	7,5
12	Carolus	✓	Fresh		✓	6	y/r	7	O	21,6%	BC	7	7	-	-	-	-	9	9
14	Jacky		Baby potatoes	Convenience	✓	6,5	y	6,5	RO	20,1%	B	5	5,5	9	-	-	-	9	9
16	Levante	✓	Fresh		✓	5,5	y	6	LO	19,9%	B	4,5	5,5	9	-	-	-	8,5	7,5
18	Sevilla			French fries, crisps		4,5	y	7	O	21%	C	7	7,5	-	-	-	-	9	-
20	Twinner	✓	Fresh		✓	7,5	y	7	O	19,7%	AB	5	6,5	9	-	-	-	8	9
22	Twister	✓	Fresh		✓	7	y	6,5	RO	19%	AB	4	5	9	-	-	-	9	9
26	CR 13-3717			French fries	✓	6,5	y	6	LO	20,5%	B	-	8	9	-	-	-	9	8,5
28	TW 17-1410		Fresh		✓	6	r	6,5	OR	19,9%	A	-	-	9	-	-	-	9	9
30	TW 18-1401		Specials		✓	7,5	y	6,5	LO	19,5%	A	4	-	8*	-	-	-	9	6

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

Alouette



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

- **Uniform tuber shape and size**
- **Suitable for cooking and home baked products**
- **Natural resistance against late blight**

MARKET SEGMENT

Traditional **Retail** Fresh **Processing** Convenience

HOW TO GROW

agricobioselect.com/alouette

Fertilization[1]

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: 26 cm (51.000 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 3,5 °C.
For processing purposes, do not store below 7 °C.

Storage time

Suitable for medium term storage.

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 mg/100g
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 / 8
Golden nematode Ro 2/3: field restistant / 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: - / -



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Beyonce



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

- **Large tubers**
- **Early dry matter content**
- **Excellent crisping quality**

MARKET SEGMENT

Processing
Crisps, Flakes

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: average / 6
Regularity of tuber size: regular / 7

Sensitivity and quality

Dormancy: quite long / 7
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 mg/100g
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

HOW TO GROW

agricobioselect.com/beyonce

Fertilization[1]

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: 23 cm (58.000 plants/ha)
35/55 mm: 27 cm (50.000 plants/ha)

Harvest

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

Storage

For processing purposes, do not store below 7,5 °C.

Storage time

Suitable for medium term storage.

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: - / -



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Carolus



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

- **Multipurpose variety**
- **High dry matter content**
- **Floury cooking**

MARKET SEGMENT

Traditional

Retail
Fresh

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
Underwater weight: 398

Dry matter content: 21,6%
Dry matter distribution: excellent / 8
TGA - level: 5,4 mg/100g
Crisping quality: good / 7
Fries quality: good / 7
Cooking type: floury / BC
Raw discolouration: slightly sensitive / 7
Discolouration after cooking: quite sensitive / 6

HOW TO GROW

agricobioselect.com/carolus

Fertilization[1]

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 cm (49.000 plants/ha)

Harvest

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

Storage

Preferred storage temperature is 3,5 °C.
For processing purposes, do not store below 7 °C.

Storage time

Suitable for medium term storage.

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: - / -



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Jacky



Plentiful, small and beautiful!

- **Late blight resistant**
- **High tuberisation**
- **Beautiful small sized potatoes**

MARKET SEGMENT

Retail
Baby potatoes

Processing
Convenience

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
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 mg/100g
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

HOW TO GROW

agricobioselect.com/jacky

Fertilization[1]

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)

Harvest

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

Storage

Preferred storage temperature is 3,5. Once the potatoes are dry, reduce the temperature as quickly as possible to prolong dormancy.

Storage time

Suitable for medium term storage.

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: very susceptible / 4,5
Virus - Yntn: slightly to not susceptible / 8

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



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Levante



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

- **High tuberisation**
- **Good skin finish**
- **Good storability**

MARKET SEGMENT

Traditional

Retail
Fresh

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 mg/100g
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

HOW TO GROW

agricobioselect.com/levante

Fertilization[1]

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

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

Planting distance

28/35 mm: 20 cm (67.000 plants/ha)
35/50 mm: 27 cm (49.000 plants/ha)
50/60 mm: 33 cm (40.500 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 3,5 °C.

Storage time

Suitable for medium to long term storage.

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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Sevilla



A maincrop variety with good underwater weight, delicious flavour and natural protection against late blight in foliage.

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

MARKET SEGMENT

Processing
French fries,
Crisps

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: sensitive / 5,5
Underwater weight: 385

Dry matter content: 21%
Dry matter distribution: good / 7
TGA - level: -
Crisping quality: good / 7
Fries quality: very good / 7,5
Cooking type: floury / C
Raw discolouration: quite sensitive / 6
Discolouration after cooking: slightly sensitive / 7,5

HOW TO GROW

agricobioselect.com/sevilla

Fertilization[1]

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)
35/50 mm: 27 cm (49.500 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 3,5 °C. For processing purposes, do not store below 8 degrees.

Storage time

Suitable for long term storage.

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: slightly susceptible / 6
Virus - Leafroll: - / -
Virus - Yn: - / -
Virus - Yntn: - / -

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



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Twinner



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

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

MARKET SEGMENT

Traditional

Retail
Fresh

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: excellent / 8
TGA - level: 7,8 mg/100g
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

HOW TO GROW

agricobioselect.com/twinner

Fertilization[1]

Nitrogen: standard advice + 15%.
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: 20 cm (66.500 plants/ha)
35/55 mm: 25 cm (54.000 plants/ha)

Harvest

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

Storage

Preferred storage temperature is 3,5 °C.

Storage time

Suitable for medium term storage.

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 / 6,5
Virus - Yntn: susceptible / 5

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



BioSelect
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Twister



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

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

MARKET SEGMENT

Traditional

Retail
Fresh

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 / 6,5
Regularity of tuber size: quite regular / 6,5

Sensitivity and quality

Dormancy: quite long / 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 mg/100g
Crisping quality: - / -
Fries quality: - / -
Cooking type: rather firm / AB
Raw discolouration: quite sensitive / 6
Discolouration after cooking: quite sensitive / 6,5

HOW TO GROW

agricobioselect.com/twister

Fertilization[1]

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. Pre-sprouting can help to have an early harvest.

Planting distance

28/35 mm: 20 cm (66.500 plants/ha)
35/50 mm: 24 cm (55.500 plants/ha)

Harvest

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

Storage

Preferred storage temperature is 3,5 °C.

Storage time

Suitable for medium to long term storage.

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: - / -
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: - / -



BioSelect
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A glimpse into the future of potato cultivation

We're excited to offer a first look at a new generation of promising potato varieties. Currently in the final stages of testing, these varieties are not yet available for sale, but they already show great potential for the future. Consider this as an exclusive preview of what's next in potato cultivation, promising varieties that could soon make their mark on the market.

CR 13-3717



An early maincrop variety with big tubers suitable for the processing market.

- **Regular and large tubers**
- **High yielding**
- **Good tolerance to scab**

MARKET SEGMENT

Processing
French fries

General characteristics

Breeder: Mts. Crijns-Hop
Crossing: AR 07-3626 x AR 05-3409
Seedling: CR 13-3717
Breeders' right: Pending

Plant and tuber characteristics

Maturity: second early / 6,5
Light sprout colour: -
Flower colour: white
Number of berries: above average / 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
Skin colour: yellow
Skin finish: quite poor / 5

Tuber size: large / 8
Tuber shape: long oval
Regularity of tuber shape: regular / 7
Tuberisation: - / -
Regularity of tuber size: regular / 7

Sensitivity and quality

Dormancy: average / 6,5
Ethylene: - / -
Secondary growth: quite sensitive / 6,5
Growth cracks: quite sensitive / 6
Black spot bruising: slightly to not sensitive / 8
Harvest damage: - / -
Underwater weight: 377

Dry matter content: 20,5%
Dry matter distribution: good / 7,5
TGA - level: -
Crisping quality: - / -
Fries quality: excellent / 8
Cooking type: rather floury / B
Raw discolouration: sensitive / 5
Discolouration after cooking: quite sensitive / 6,5

HOW TO GROW

agricobioselect.com

Fertilization[1]

Nitrogen: standard advice - 10%.
Phosphate: standard advice.
Potassium: standard advice.

[1] Level of fertilization is based on soil analysis

Seed treatment

Desprouting can have a negative impact on yield and size regularity.

Planting distance

28/35 mm: 23 cm (58.000 plants/ha)
35/55 mm: 30 cm (44.500 plants/ha)
50/55 mm: 36 cm (37.000 plants/ha)

Harvest

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

Storage

Preferred storage temperature is 3,5 °C. For processing purposes, do not store below 7 °C.

Storage time

Suitable for medium to long term storage.

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 / 8,5

Common scab: slightly susceptible / 6
Powdery scab: - / -
Fusarium: - / -
Black dot: - / -
Spraing: slightly susceptible / 6
Virus - Leafroll: - / -
Virus - Yn: slightly to not susceptible / 8
Virus - Yntn: - / -

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



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

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TW 17-1410



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

- **High yield**
- **Good virus resistance**
- **Beautiful skin colour**

MARKET SEGMENT

Retail
Fresh

General characteristics

Breeder: G.W. te Winkel
Crossing: ALOUETTE x AR 09-4077
Seedling: TW 17-1410
Breeders' right: Pending

Plant and tuber characteristics

Maturity: early maincrop / 6
Light sprout colour: red violet
Flower colour: purple
Number of berries: average / 6
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: red
Skin finish: good / 7

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

Sensitivity and quality

Dormancy: quite short / 5
Ethylene: - / -
Secondary growth: quite sensitive / 6,5
Growth cracks: quite sensitive / 6,5
Black spot bruising: slightly to not sensitive / 8

Harvest damage: - / -
Underwater weight: 369

Dry matter content: 19,9%
Dry matter distribution: - / -
TGA - level: -
Crisping quality: - / -
Fries quality: - / -
Cooking type: firm / A
Raw discolouration: slightly sensitive / 7
Discolouration after cooking: quite sensitive / 6,5

HOW TO GROW

agricobioselect.com

Fertilization[1]

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

[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: 20 cm (66.500 plants/ha)
35/55 mm: 25 cm (49.500 plants/ha)

Harvest

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

Storage

Preferred storage temperature is 3,5 °C.

Storage time

Suitable for medium to long term storage.

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: - / -
Fusarium: - / -

Black dot: slightly to not sensitive / 8
Spraing: susceptible / 5,5
Virus - Leafroll: - / -
Virus - Yn: slightly to not susceptible / 8
Virus - Yntn: - / -

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



BioSelect
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TW 18-1401



An early ware variety, with natural resistance against late blight in foliage and tuber, suitable for conventional and organic production.

- **Firm cooking**
- **Early ware variety**
- **Next Generation+ variety with good virus resistance**

MARKET SEGMENT

Retail
Fresh

General characteristics

Breeder: G.W. te Winkel
Crossing: LORELEY x LM 11-0212
Seedling: TW 18-1401
Breeders' right: Pending

Plant and tuber characteristics

Maturity: early / 7,5
Light sprout colour: blue violet
Flower colour: white
Number of berries: - / -
Foliage - initial development: fast / 8
Foliage - final development: average / 7
Foliage - firmness: average / 6,5
Flesh colour: light yellow / 6,5

Skin colour: yellow
Skin finish: above average / 6,5

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

Sensitivity and quality

Dormancy: short / 4,5
Ethylene: - / -
Secondary growth: quite sensitive / 6
Growth cracks: quite sensitive / 6,5
Black spot bruising: slightly to not sensitive / 8

Harvest damage: - / -
Underwater weight: 350

Dry matter content: 19,5%
Dry matter distribution: - / -
TGA - level: -
Crisping quality: unsuitable
Fries quality: - / -
Cooking type: firm / A
Raw discolouration: slightly to not sensitive / 8
Discolouration after cooking: slightly sensitive / 7

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

Planting distance

28/35 mm: 22 cm (60.500 plants/ha)
35/55 mm: 29 cm (46.000 plants/ha)

Storage

Preferred storage temperature is 3,5 °C.

Resistances

Golden nematode Ro 1/4: field resistant* / 8*
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 susceptible / 6

Common scab: susceptible / 5
Powdery scab: - / -
Fusarium: - / -

Black dot: slightly to not sensitive / 8
Spraing: susceptible / 5
Virus - Leafroll: - / -
Virus - Yn: slightly to not susceptible / 8
Virus - Yntn: - / -

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



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LEGEND

Market segment

Traditional

Retail

Baby potatoes, fresh, salads, specials

Processing industry

Crisps, convenience, French fries, starch

Next Generation varieties

Varieties marked with the Next Generation have a natural late blight resistance.

Next Generation+

Varieties marked with this symbol are Next Generation varieties with stacked resistance genes.

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



LEGEND

Sensitivity and quality

Secondary growth; Black spot (internal bruising); Growth cracks; 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
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
Cooking type	**A** firm **AB** rather firm **B** rather floury **BC** floury **C** floury **CD** floury
After cooking discolouration; Raw discolouration	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
Fries quality	4 unsuitable; 4,5 unsuitable; 5 unsuitable; 5,5 below average; 6 average; 6,5 above average; 7 good; 7,5 very good; 8 excellent
Dry matter distribution	5 quite poor; 5,5 quite poor; 6 average; 6,5 average; 7 good; 7,5 good; 8 excellent; 9 excellent; 9,5 excellent
Crisping quality	4 unsuitable; 4,5 unsuitable; 5 unsuitable; 5,5 below average; 6 average; 6,5 above average; 7 good; 7,5 very good; 8 excellent
TGA - level	Indicates level of TGA (Glycoalkaloids, measured as mg per 100 grams).

Sensitivity and quality

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
Late blight - foliage and tuber; Common scab; Powdery scab; Fusarium; Black dot; Spraing; Virus - Leafroll; Virus - Yn; Virus - Yntn (tuber)	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
Wart disease F1, F6, F18	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



Notes.





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