

PASPOORT

PASSPORT

ONZE RASSEN / OUR VARIETIES



Creating potato solutions

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Ready for the future!

Since 2004, together with our team, breeders, growers and business partners we have created a solid potato company marketing our varieties in 65 countries worldwide.

Our modern premises will enable us to grow further. We have modern lab facilities, more storage and office space.

TPC offers a unique and diverse selection variety portfolio with great growing solutions for our farmers and customers. For all market segments we have good solutions, i.e. retail, processing industry and the traditional export markets.

Our TPC breeding program delivers new potato varieties which add extra value for the complete TPC potato chain.

Water availability becomes a larger problem every year. The salinization of the groundwater is the reason why we do our saline trials. We need to know where we stand and what to advise to our partners. Another focus of our breeding program is to find resistant varieties to blight (*Phytophthora infestans*) and of course potato cyst nematodes (both *pallida* and *rostochensis*).

New techniques like gene editing, developing hybrid potato varieties and possible TPS (true potato seed) are entering the world of traditional breeding. TPC is prepared for the future and has done all the necessary to follow the developments and having access to the new developments as soon as we are allowed to use them worldwide. It is no longer the discussion if it will happen but only when. The current potato pests like phytophthora, new types of virus and/or bacterial diseases are coming up every day. We are improving the varieties to help the farmers worldwide feeding the world.

If we are ready for the future the TPC partners will be as well.

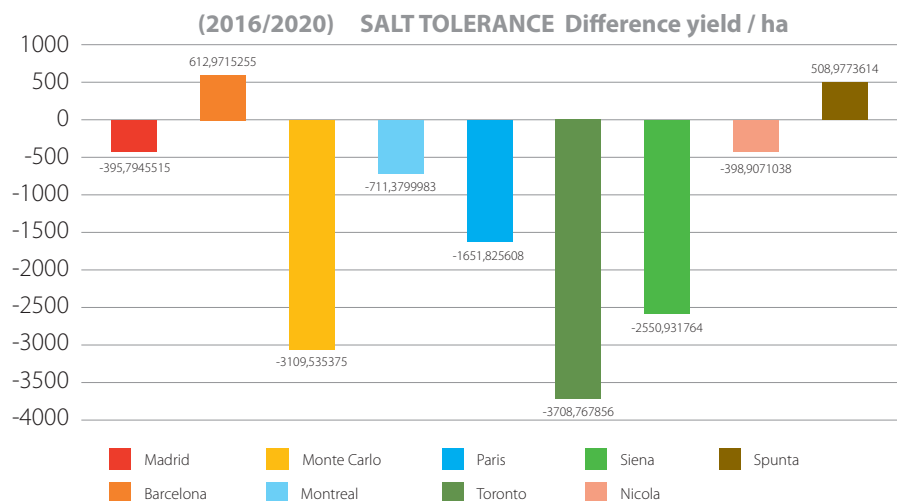
In the meantime we continue doing what we are good at: developing and marketing of: **"probably the best varieties in the world"**

Crop salt tolerance

In some specific areas where irrigation is needed to grow potatoes, the salinity levels go up year by year. This creates a problem because not all the existing varieties are tolerant to higher salinity levels of the water used for irrigation. If refreshing the soil is too expensive or not possible we need resistant varieties.

This is the reason why we have our saline trials in the middle east.

This enables us to advise our partners which TPC varieties they can grow with salty water. This graph shows the loss in yield by irrigating with different saline levels.



PCN resistant varieties are the guarantee for the future

Many TPC varieties are known for resistance for the potato cyst nematode (PCN). Growers are allowed to grow seed potatoes, only if no PCN is found. By using PCN resistant varieties farmers are able to keep their soils clean.

TPC breeders were aware of the PCN problem and because of these new varieties, the severe EU regulations, PCN can be controlled.

The PCN varieties produce through the roots, a nematode attractant. But the resistance prevents the nematodes multiplying and the PCN population will decrease. Experts say that by using high resistant varieties the nematode population will be killed and decrease with up to 80%.

TPC license partners

In countries where we are not able to export our seed due to import regulations, we are marketing our varieties with a license agreement. In this way everybody will take advantage of our great varieties, everywhere worldwide! We provide you with the genetics and help you with the registration and marketing. In this way we are able to market TPC varieties worldwide.

TPC sustainable

By growing seed potatoes with our partners, we are a very sustainable company. We do as much as we can. Our company cars are EV, we are self-sufficient generating solar energy for our cars and premises. We are growing and breeding organic TPC varieties and do all we can to improve our environment.

Barcelona



Kruising / cross

Mondial x Felsina

Algemene eigenschappen / general description

Marktsegment / market segment	Mondial, Fabula, Spunta
Vroegrijpheid / maturity	Middenvroeg / middle early
Loofontwikkeling / foliage	Goed / good
Schilkleur / skin colour	Lichtgeel / light yellow
Vleeskleur / flesh colour	Lichtgeel / light yellow
Knolvorm / tuber shape	Lang ovaal / long oval
Diepte van de ogen / eye depth	Vlak / shallow
Grootte van de knollen / tuber size	Zeer groot tot groot / big to very big sized tubers
Drogestofgehalte / dry matter content	19,50 %
Opbrengst / yield	Hoog / high
Geschikt voor / destination	Tafelaardappel / table - local market
Kooktype / cooking type	B

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	7,5
X-virus	7,5
Y-virus	6,5
Phytophthora (loof/leaf)	6
Phytophthora (knol/tuber)	5
Stootblauw / internal bruising	7
Wratziekte / wart disease	Fysio1: 10
PCN:	
- Ro	
- Pa	Pa2: 6
Schurft / common scab	6,5

Bergerac



Kruising / cross

Vitelotte Noir x BH 98-180

Algemene eigenschappen / general description

Marktsegment / market segment	Vitelotte Noir
Vroegrijpheid / maturity	Middenlaat / middle late
Loofontwikkeling / foliage	Goed / good
Schilkleur / skin colour	Paars / purple
Vleeskleur / flesh colour	Paars / purple
Knolvorm / tuber shape	Lang / long
Diepte van de ogen / eye depth	Redelijk diep / fairly deep
Grootte van de knollen / tuber size	Fijn tot zeer fijn / small tubers
Drogestofgehalte / dry matter content	20,50 %
Opbrengst / yield	Hoog / high
Geschikt voor / destination	Tafelaardappel, volkstuinteelt / Table, baby potatoes, processing (crisps)
Kooktype / cooking type	BC

Resistenties / resistances

Bladrolvirus / leaf-roll virus	7
A-virus	7
X-virus	7
Y-virus	6
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	4
Stootblauw / internal bruising	7
Wratziekte / wart disease	
PCN:	
- Ro	
- Pa	
Schurft / common scab	7

Madrid



Kruising / cross

Fabula x Bellini

Algemene eigenschappen / general description

Marktsegment / market segment	Marfona, Fabula
Vroegrijpheid / maturity	Middenvroeg / mid early
Loofontwikkeling / foliage	Zeer goed / good developed
Schilkleur / skin colour	Lichtgeel / light yellow
Vleeskleur / flesh colour	Crème / cream
Knolvorm / tuber shape	Rond / round
Diepte van de ogen / eye depth	Vrij vlak / reasonably flat
Grootte van de knollen / tuber size	Grote knollen / big sized tubers
Drogestofgehalte / dry matter content	19,1 %
Opbrengst / yield	Zeer hoog / very high
Geschikt voor / destination	Tafelaardappel, bakemarkt / table, baker
Kooktype / cooking type	AB

Resistenties / resistances

Bladrolvirus / leaf-roll virus	7
A-virus	6
X-virus	7
Y-virus	5,5
Phytophthora (loof/leaf)	6
Phytophthora (knol/tuber)	7
Stootblauw / internal bruising	7
Wratziekte / wart disease	Fysio 1: 10
PCN:	
- Ro	Ro1: 9, Ro4: 9
- Pa	
Schurft / common scab	7

Miss Blush



Kruising / cross

Bildtstar x CD1045-2 x selfpollinated

Algemene eigenschappen / general description

Marktsegment / market segment	Baby King Edward
Vroegrijpheid / maturity	Middenvroeg / mid-early
Loofontwikkeling / foliage	Normaal / normal
Schilkleur / skin colour	Half rood-half geel / party colour (red-yellow)
Vleeskleur / flesh colour	Lichtgeel / light yellow
Knolvorm / tuber shape	Rond / round
Diepte van de ogen / eye depth	Vrij diep / deep
Grootte van de knollen / tuber size	Midden tot klein / middle small
Drogestofgehalte / dry matter content	21,5 %
Opbrengst / yield	Goed / fairly good
Geschikt voor / destination	Krielteelt, tafelaardappel, salade / Baby, table, salad
Kooktype / cooking type	B

Resistenties / resistances

Bladrolvirus / leaf-roll virus	6
A-virus	
X-virus	5
Y-virus	8
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	4
Stootblauw / internal bruising	6
Wratziekte / wart disease	Fysio 1: 8
PCN:	
- Ro	
- Pa	
Schurft / common scab	5

Monte Carlo



Kruising / cross

Mul91-13 x Bru93-136

Algemene eigenschappen / general description

Marktsegment / market segment	Desiree, Red Pontiac
Vroegrijpheid / maturity	Middenvroeg / middle early
Loofontwikkeling / foliage	Normaal / normal
Schilkleur / skin colour	Lichtrood / light red
Vleeskleur / flesh colour	Wit-crème / white-cream
Knolvorm / tuber shape	Ovaal / oval
Diepte van de ogen / eye depth	Vlak / flat-reasonable flat
Grootte van de knollen / tuber size	Gemiddeld tot groot / medium to big sized
Drogestofgehalte / dry matter content	20,5 %
Opbrengst / yield	Hoog / high
Geschikt voor / destination	Tafelaardappel / table
Kooktype / cooking type	B

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	8
X-virus	8
Y-virus	7
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	6,5
Stootblauw / internal bruising	9
Wratziekte / wart disease	Fysio 1: 10, Fysio 2/6: 9, Fysio 18: 10
PCN:	
- Ro	Ro1: 9, Ro2,3: 9, Ro4: 8
- Pa	Pa2: 9, Pa3: 7
Schurft / common scab	8

Montreal



Kruising / cross

Amalia x Amora

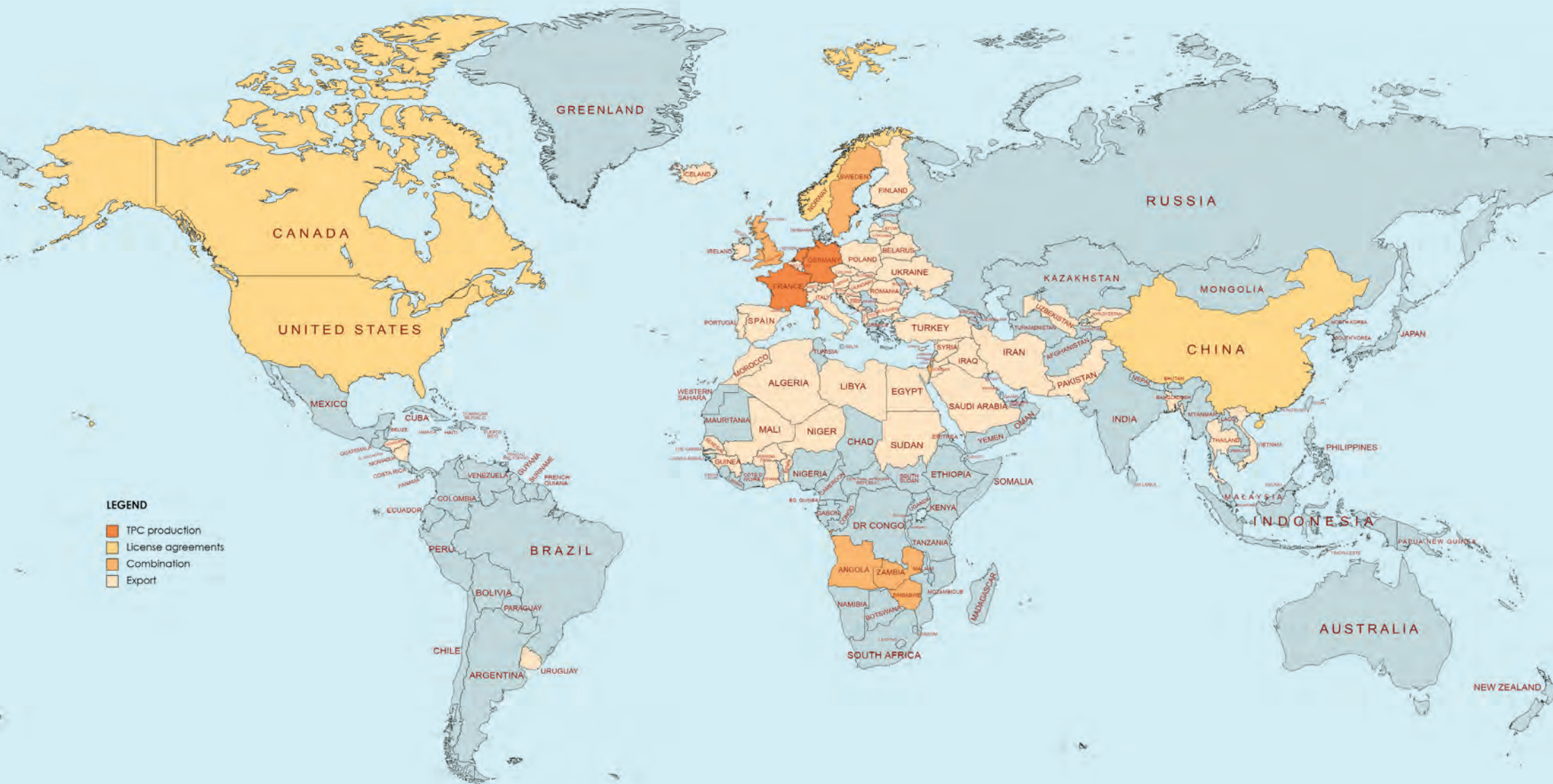
Algemene eigenschappen / general description

Marktsegment / market segment	Agata, Colomba, Premiere
Vroegrijpheid / maturity	Zeer vroeg / very early
Loofontwikkeling / foliage	Zeer goed / very good
Schilkleur / skin colour	Lichtgeel / light yellow
Vleeskleur / flesh colour	Geel / cream
Knolvorm / tuber shape	Rond-ovaal / round-oval
Diepte van de ogen / eye depth	Redelijk vlak / reasonably flat
Grootte van de knollen / tuber size	Groot / big sized tubers
Drogestofgehalte / dry matter content	20,5 %
Opbrengst / yield	Hoge opbrengst bij vroege oogst / very high (early)
Geschikt voor / destination	Tafelaardappel, frites / table and processing (crisps)
Kooktype / cooking type	AB

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	7
X-virus	8
Y-virus	6
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	7
Stootblauw / internal bruising	6
Wratziekte / wart disease	Fysio 1: 10
PCN:	
- Ro	Ro4: 9
- Pa	
Schurft / common scab	7

The world of TPC



Paris



Kruising / cross

Hansa x Felsina

Algemene eigenschappen / general description

Marktsegment / market segment	Maris Peer, Gemson
Vroegrijpheid / maturity	Middenvroeg / middle early
Loofontwikkeling / foliage	Goed / good
Schilkleur / skin colour	Geel / yellow
Vleeskleur / flesh colour	Crème / cream
Knolvorm / tuber shape	Rond-rond ovaal / round-oval
Diepte van de ogen / eye depth	Vlak / shallow eyes
Grootte van de knollen / tuber size	Fijn tot zeer fijn / small tubers
Drogestofgehalte / dry matter content	20,5 %
Opbrengst / yield	Hoog / high
Geschikt voor / destination	Tafelaardappel, kriel / table, baby
Kooktype / cooking type	A

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	8
X-virus	7,5
Y-virus	7
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	6
Stootblauw / internal bruising	7
Wratziekte / wart disease	
PCN:	
- Ro	Ro1: 9, Ro4: 9
- Pa	
Schurft / common scab	7

Salvador



Kruising / cross

Volare x Ambition

Algemene eigenschappen / general description

Marktsegment / market segment	Arizona
Vroegrijpheid / maturity	Middenvroeg / middle early
Loofontwikkeling / foliage	Goed / good
Schilkleur / skin colour	Geel / yellow
Vleeskleur / flesh colour	Lichtgeel / light yellow
Knolvorm / tuber shape	Ovaal / oval
Diepte van de ogen / eye depth	Vlak / flat
Grootte van de knollen / tuber size	Groot tot zeer groot / big to very big sized
Drogestofgehalte / dry matter content	19 %
Opbrengst / yield	Zeer hoog / very high
Geschikt voor / destination	Tafelaardappel / table, local market
Kooktype / cooking type	B

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	7
X-virus	7
Y-virus	6
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	6
Stootblauw / internal bruising	7
Wratziekte / wart disease	Fysio 1: 10
PCN:	
- Ro	
- Pa	
Schurft / common scab	5,5

Siena



Kruising / cross

Cecile x Delianne

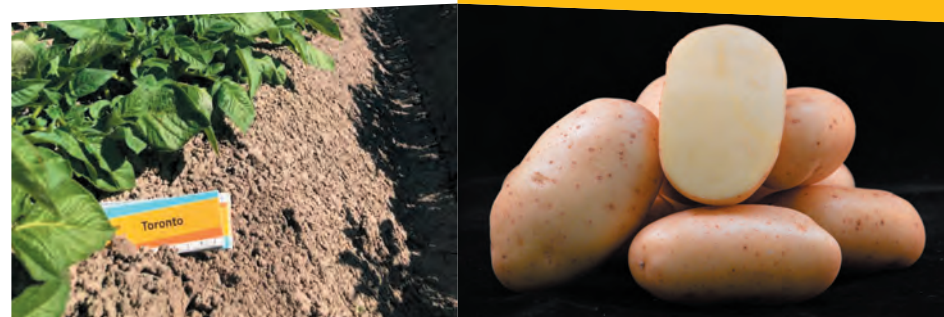
Algemene eigenschappen / general description

Marktsegment / market segment	Annabelle, Lady Christl, Nicola
Vroegrijpheid / maturity	Middenvroeg / middle early
Loofontwikkeling / foliage	Goed / good
Schilkleur / skin colour	Geel / yellow
Vleeskleur / flesh colour	Geel / yellow
Knolvorm / tuber shape	Lang / long
Diepte van de ogen / eye depth	Vlak / shallow eyes
Grootte van de knollen / tuber size	Fijn tot gemiddeld / small to medium
Drogestofgehalte / dry matter content	20 %
Opbrengst / yield	Hoog / high
Geschikt voor / destination	Tafelaardappel, salade en kriel / table, baby potatoes
Kooktype / cooking type	A

Resistenties / resistances

Bladrolvirus / leaf-roll virus	7
A-virus	8
X-virus	7
Y-virus	7
Phytophthora (loof/leaf)	5
Phytophthora (knol/tuber)	7
Stootblauw / internal bruising	7
Wratziekte / wart disease	Fysio 1: 10
PCN:	
- Ro	Ro1: 9, Ro4: 9
- Pa	
Schurft / common scab	5,5

Toronto



Kruising / cross

AO92-021 x Bru 93-136

Algemene eigenschappen / general description

Marktsegment / market segment	Fontane, Innovator, Challenger
Vroegrijpheid / maturity	Middenvroeg / mid-early
Loofontwikkeling / foliage	Zeer goed / very good
Schilkleur / skin colour	Lichtgeel / light yellow
Vleeskleur / flesh colour	Lichtgeel / light yellow
Knolvorm / tuber shape	Lang / long
Diepte van de ogen / eye depth	Vrij vlak / shallow eyes
Grootte van de knollen / tuber size	Groot / tubers
Drogestofgehalte / dry matter content	20,5 %
Opbrengst / yield	Zeer hoog / very high
Geschikt voor / destination	Tafelaardappel, frites, export / table, processing, export
Kooktype / cooking type	AB

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	7
X-virus	7,5
Y-virus	7
Phytophthora (loof/leaf)	6
Phytophthora (knol/tuber)	7
Stootblauw / internal bruising	7
Wratziekte / wart disease	Fysio 1: 10, Fysio 2/6: 9, Fysio 18: 9
PCN:	
- Ro	Ro1: 9, Ro2,3: 9, Ro4: 9, Ro5: 9
- Pa	Pa2: 9, Pa3: 8
Schurft / common scab	7

Exquisa



Kruising / cross Sigma x Ilse

Algemene eigenschappen / general description

Marktsegment / market segment	Charlotte, Annabelle
Vroegrijpheid / maturity	Midden laat / middle late
Loofontwikkeling / foliage	Goed / good
Schilkleur / skin colour	Diep geel / deep yellow
Vleeskleur / flesh colour	Geel / yellow
Knolvorm / tuber shape	Lang / long
Diepte van de ogen / eye depth	Redelijk vlak / reasonably flat
Grootte van de knollen / tuber size	Fijn tot zeer fijn / small to very small
Drogestofgehalte / dry matter content	21,5 %
Opbrengst / yield	Hoog / high
Geschikt voor / destination	Tafelaardappel, kriel / table, baby potatoes
Kooktype / cooking type	A

Resistenties / resistances

Bladrolvirus / leaf-roll virus	8
A-virus	9
X-virus	9
Y-virus	8
Phytophthora (loof/leaf)	6
Phytophthora (knol/tuber)	5
Stootblauw / internal bruising	Normaal/normal
Wratziekte / wart disease	Fysio 1: 10
PCN:	
- Ro	Ro1: 9
- Pa	
Schurft / common scab	8

TPC Variety overview

	Aardappel cysten, Cyst nematode						Wratziekte / Wart disease			Phytophthora / Blight		Scab	Rijptijd / Maturity	Droge stof / Dry matter %	Kook type / Cooking type	Market		
	Ro1	Ro2,3	Ro4	Ro5	Pa2	Pa3	Fysio 1	Fysio 2/6	Fysio 18	Loof / leaf	Knol / tubers					Retail	Processing	Traditional market
Barcelona					6		10			6	5	6,5	7	19,5 %	B	x	x	x
Bergerac										5	4	7	5	20,5 %	BC	x	x	
Exquisa	9						10			6	5	8	5	21,5 %	A	x		x
Madrid	9		9				10			6	7	7	6	19,1 %	AB	x		x
Miss Blush							8			5	4	5	6	21,5 %	B	x		
Monte Carlo	9	9	8		9	7	10	9	10	5	6,5	8	7	20,5 %	B	x		x
Montreal			9				10			5	7	7	8	20,5 %	AB	x	x	x
Paris	9		9							5	6	7	7	20,5 %	A	x		
Salvador							10			5	6	5,5	7	19,0 %	B	x		x
Siena	9		9				10			5	7	5,5	7	20,0 %	A	x		x
Toronto	9	9	9	9	9	8	10	9	9	6	7	7	7	20,5 %	AB		x	x
Agria	9				2	2	9	6		5,5	7	5	5	21,5 %	BC		x	x
Desiree							10	9		5	7	4	6	22,0 %	BC		x	x
Diamant	9									6	7	4,5	6	22,5 %	B		x	x
Hermes	2						10			5	7	7	6	23,0 %	B		x	x
Monalisa										4	6	6	7	19,0 %	AB	x		x
Nicola	9				2	2	10	8		5	7	7	6	20,0 %	AB	x		x
Primura							10			3	5	6	7	20,0 %	B	x		x
Spunta					2	2	10			5,5	5	5	6	21,0 %	BC		x	x

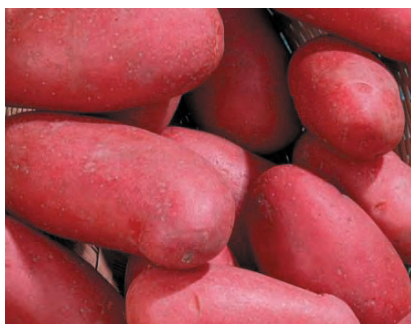
Other varieties

Nog een kleine intro...?

Agria



Desiree



Monalisa



Nicola



Diamant



Hermes



Primura





















Spunta



Explanation icons

We have listed icons for our varieties. These indicate what the variety is suitable for.

	Kooktype / cooking type A		Bio aardappel / organic
	Kooktype / cooking type AB		Export buiten Europa / Overzee Export outside Europe / Overseas
	Kooktype / cooking type B		Export Europa / Export Europe
	Kooktype / cooking type BC		Frites / french fries
	Kooktype / cooking type C		Chips / crisping
	Kooktype / cooking type CD		Pureren / mashed potatoes
	Kooktype / cooking type D		Markt / market
	Consumptie / consumption		Supermarkt / supermarket
	Pootaardappel / seed potatoes		Aardappelzetmeel / starch industry

Technical Terms

Nederlands	English	Deutsch	Français
Ras	Variety	Sorte	Variété
Kruising	Crossing	Kreuzung	Croisement
Schilkleur	Skin colour	Schalenfarbe	Couleur de peau
Vleeskleur	Flesh colour	Fleischfarbe	Couleur de chair
Bloemkleur	Flower colour	Blütenfarbe	Couleur de fleur
Knolvorm	Tuber shape	Knollenform	Forme du tubercule
Knolzetting	Tuberisation	Knollenbildung	Tuberisation
Grofheid knollen	Tuber size	Knollengröße	Grosseur des tubercules
Opbrengst	Yield	Ertrag	Rendement
Loofontwikkeling	Foliage	Krautentwicklung	Développement feuillage
Rijptijd	Maturity	Reifezeit	Maturité
Beginontwikkeling	Initial development	Jugendentwicklung	Développement initial
Kooktype	Cooking type	Kochtyp	Type de cuisson
Drogestofgehalte %	Dry matter content	Trockensubstanzgehalt	Matière sèche
Onderwatergewicht	Underwater weight	Unterwassergewicht	Poids sous l'eau
Biologisch	Organic	Biologisch	Biologique
Zetmeelindustrie	Starch industry	Stärkeindustrie	Industrie de fécule
Geschikt voor chips	Suitability for crisping	Geeignet für Chips	Utilisation possible en chips
Geschikt voor frites	Suitability for French fries	Geeignet für Pommes	Utilisation possible en frites
Vatbaarheid	Susceptibility	Anfälligkeitsgrad	Susceptibilité
Vatbaar	Susceptible	Anfällig	Susceptible
Resistentie	Resistance	Resistenz	Résistance
Stootblauw	Black spot	Schwarzfleckigkeit	Noircissement de la chair
Schurft	Common scab	Schorf	Gale commune
Kiemrust	Dormancy	Keimruhe	Dormance
Rooibeschatiging	Farvest damage	Rodebeschädigung	Dégâts d'arrachage mécanique
Phytophthora - loof	Late blight-foilage	Krautfäule	Phytophthora feuillage
Phytophthora - knol	Late blight-tuber	Braunfäule	Phytophthora tubercule
Aardappelmoehheid	Potato cyst nematodes	Kartoffelzystennematoden	Nématodes à kyste
Bladrolvirus	Leafroll virus	Blattrollvirus	Virus enroulement
Poederschurft	Powdery scab	Pulverschorf	Fale poudreuse
Blauwgevoeligheid	Internal bruising	Schwarzfleckigkeit	Noircissement interne
Kringerigheid	Spraing	Stippigheid	Ferrure
Wratziekte	Wart disease	Kartoffelkrebs	Gale verruqueuse
A-virus	A-virus	A Virus	Virus A
X-virus	X-virus	X Virus	Virus X
Y-virus	Y-virus	Y Virus	Virus Y
Sencor	Sencor	Sencor	Sencor
Saline	Saline	Saline	Saline



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