



Pepper variety range

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Dear business relation,

We are pleased to present to you the first international Rijk Zwaan pepper booklet. In this handy overview you will find all the varieties specifically developed for so-called 'high-tech' pepper cultivation.

Our pepper range is developing worldwide at great speed right now. In some markets, reliable main varieties are already taking sizeable market shares; in other markets newcomers are emerging or unique traits are ensuring interesting niche positions. Something all our varieties have in common – whether they be red, yellow, orange or green – is the high quality. This has very consciously been our breeders' priority for many years.

With this booklet we try to give you a good overview of the possibilities per variety. You can see, for instance, at one glance the countries for which a variety is suitable as well as its most important traits, including the average fruit weight, crop type and what kind of steering it requires. It goes without saying that for comprehensive advice you can always contact your crop advisor.

Rijk Zwaan wishes you a successful crop and a rich harvest.

Crop team peppers
Rijk Zwaan





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Resistance definitions

Tm:0 = TMV / ToMV	Tobacco mosaic virus / Tomato mosaic virus
Tm:0-2 = TMV / ToMV / PMMoV:2	Tobacco mosaic virus / Tomato mosaic virus / Pepper mild mosaic virus:2
Tm:0-3 = TMV / ToMV / PMMoV:2,3	Tobacco mosaic virus / Tomato mosaic virus / Pepper mild mosaic virus:2,3
PVY = Potato Virus Y	Potyvirus, Potato Y
Lt = Leveillula taurica	Powdery mildew
HR	High resistance
IR	Intermediate resistance





Peppers – red

With varieties like Davos RZ, Redwing RZ, 35-157 RZ and 35-161 RZ, Rijk Zwaan has something for many different markets. Whether you are looking for a small or large fruited variety or whether you start your crop in the summer or winter, we have a reliable variety for every situation.



Davos RZ

Colour	red
Resistance	HR Tm:0-2
Average fruit weight	200 g
Vigour	vigorous
Crop type	open with power
Comments	as early as Nagano; high total yield
Countries	NL, UK, KOR, AU, GER, BE, NZ

Debla RZ

Colour	red
Resistance	HR Tm:0-2
Average fruit weight	185 g
Vigour	normal
Crop type	compact plants
Comments	very nice and shiny red fruits
Countries	KOR

Peppers – red

Jinju RZ

Colour	red
Resistance	HR Tm:0-2 IR Lt
Average fruit weight	185 g
Vigour	normal
Crop type	compact plants
Comments	especially for Korea; early variety, nice blocky fruits with good colour
Countries	KOR

Nagano RZ

Colour	red
Resistance	HR Tm:0-2
Average fruit weight	190 g
Vigour	average
Crop type	open, compact
Comments	early-productive, very fast-colouring, high total yield, steer for growth
Countries	NL, UK, KOR, AU, GER, BE, NZ

Redwing RZ

Colour	red
Resistance	HR Tm:0-2 IR TSWV
Average fruit weight	220 g
Vigour	very vigorous
Crop type	large leaf area
Comments	slightly later variety, requires generative steering
Countries	CAN, MEX, USA, AUS , NZ

Sapporo RZ

Colour	red
Resistance	HR Tm:0-2
Average fruit weight	180 g
Vigour	vigorous
Crop type	open but slightly denser than Nagano
Comments	early-productive, very fast-colouring, steer generatively, very high total yield
Countries	NL, UK, KOR, AU, GER, BE, NZ

Thialf RZ

Colour	red
Resistance	HR Tm:0-2 IR TSWV
Average fruit weight	185 g
Vigour	vigorous
Crop type	open
Countries	NL, UK, KOR, AU, GER, BE, NZ

Zamboni RZ

Colour	red
Resistance	HR Tm:0-2 IR TSWV
Average fruit weight	210 g
Vigour	vigorous
Crop type	open with power
Comments	requires generative steering
Countries	CAN, MEX, USA, AUS





Peppers – red

35-157 RZ

Colour	red
Resistance	HR Tm:0-2 IR Lt
Average fruit weight	185 g
Vigour	normal
Crop type	very compact plants, very nice blocky shape
Comments	especially for Korea
Countries	KOR

35-161 RZ

Colour	red
Resistance	HR Tm:0-3
Average fruit weight	220 g
Vigour	medium to high vigour
Crop type	open plants, good balance
Comments	high yield, easy to steer
Countries	CAN, MEX, USA, AUS



Peppers – yellow

In the yellow segment we have reliable varieties for the larger as well as the smaller segments. In the Benelux countries, Stayer RZ has become the main variety within a short period of time, while TM3-resistant Baselga RZ is the main variety in North America and Mexico. Baselga RZ presents itself for the larger segment and Jirisan RZ, at the other end of the spectrum, for the smaller segment.

Baselga RZ

Colour	yellow
Resistance	HR Tm:0-3
Average fruit weight	215 g
Vigour	high vigour
Crop type	full plants, generative habit
Comments	high yield, grow with more heat
Countries	CAN, MEX, USA, AUS

Crosby RZ

Colour	yellow
Resistance	HR Tm:0-3
Average fruit weight	220 g
Vigour	medium to high vigour
Crop type	open plants, large leaves
Comments	easy to grow, excellent fruit shape
Countries	CAN, MEX, USA, AUS





Peppers – yellow

Helsinki RZ

Colour	yellow
Resistance	HR Tm:0-2
Average fruit weight	185 g
Vigour	vigorous
Crop type	open
Comments	especially for Korea; very good yield combined with good size, shape and colour
Countries	KOR

Inzell RZ

Colour	yellow
Resistance	HR Tm:0-2
Average fruit weight	190 g
Vigour	vigorous
Crop type	tall, open crop
Comments	little topping to do, very uniform and blocky fruits
Countries	NL, UK, KOR, AU, GER, BE, NZ

Jirisan RZ

Colour	yellow
Resistance	HR PVY:0,1,1.2/Tm:0-3
Average fruit weight	170 g (very good for export to Japan)
Vigour	average
Crop type	very compact
Comments	especially for Korea; very compact and generative variety and suitable for lower greenhouses
Countries	KOR

Richmond RZ

Colour	yellow
Resistance	HR Tm:0-3
Average fruit weight	215 g
Vigour	very vigorous
Crop type	full plants
Comments	steer generatively
Countries	CAN, MEX, USA, AUS

Stayer RZ

Colour	yellow
Resistance	HR Tm:0-2
Average fruit weight	200 g
Vigour	average
Crop type	very open
Comments	remarkably little topping to do
Countries	NL, UK, KOR, AU, GER, BE, NZ

Sven RZ

Colour	yellow
Resistance	HR Tm:0-2 IR TSWV
Average fruit weight	190 g
Vigour	vigorous
Crop type	slightly denser, short crop
Comments	requires generative steering at the plant raisers, grow actively, sublime quality
Countries	NL, UK, KOR, AU, GER, BE, NZ

Vancouver RZ

Colour	yellow
Resistance	HR Tm:0-3
Average fruit weight	210 g
Vigour	average
Crop type	open
Comments	easy fruit set
Countries	NL, UK, KOR, AU, GER, BE, NZ



Peppers – orange

Apart from the familiar names, a whole new generation of varieties is emerging in the orange segment. As has happened in the other colour-segments, this will mean a quality-coup for orange peppers as well. And as if that was not enough, TM3-resistant variety Gilmour RZ also gives a high production.

Boogie RZ

Colour	orange
Resistance	HR Tm:0-2
Average fruit weight	185 g
Vigour	moderate, steer for growth
Crop type	open
Comments	extremely beautiful quality peppers
Countries	NL, BE, UK, KOR, NZ, AU, GER, CH

Gilmour RZ

Colour	orange
Resistance	HR Tm:0-3
Average fruit weight	215 g
Vigour	medium vigour
Crop type	open, compact plants
Comments	very good fruit shape, easier to steer
Countries	CAN, MEX, USA, AUS

Orangery RZ

Colour	orange
Resistance	HR Tm:0-3
Average fruit weight	215 g
Vigour	medium to high vigour
Crop type	open
Comments	steer generatively
Countries	CAN, MEX, USA, AUS

Sympathy RZ

Colour	orange
Resistance	HR Tm:0-2
Average fruit weight	220 g
Vigour	very vigorous
Crop type	open
Comments	largest fruits
Countries	CAN, MEX, USA, AUS





Peppers – green

Pursuit RZ is a variety with a future. Large-scale, too, it stands out with its large size, total production, quality and lovely, dark green colour. This TM3-resistant variety needs to be steered generatively.

Pursuit RZ

Colour	green
Resistance	HR Tm:0-3
Average fruit weight	180 g
Vigour	very vigorous
Crop type	slightly denser but neat and tidy
Comments	requires generative steering, large and very productive
Countries	NL, UK, KOR, AU, GER, BE, NZ, CAN, MEX, USA, AUS





Peppers – sweet, pointed

Within the 'sweet, pointed' niche segment, Palermo RZ is and always will be a reliable choice. Its productivity proves that looking different in the market can go hand in hand with a high yield, quality and taste.



Palermo RZ

Colour	red
Resistance	HR Tm:0-2
Average fruit weight	125 g
Vigour	normal
Crop type	tall, open crop
Comments	min. 7.5 stems/m ²
Countries	NL, UK, KOR, AU, GER, BE, NZ, CAN, MEX, USA, AUS



Differing degrees of specificity exist in the relations between plants and pests or pathogens. Identification of such specificity generally requires the use of highly elaborate analytical methods. Recognizing whether a plant is subject to a pest or pathogen or not may depend on the analytical method employed. It is important, in general, to stress that the specificity of pests or pathogens may vary over time and space, depends on environmental factors, and that new pest biotypes or new pathogen races capable of overcoming resistance may emerge.

Immunity: not subject to attack or infection by a specified pest or pathogen.

Resistance: the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance are defined:

High/standard resistance (HR*): plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

Moderate/intermediate resistance (IR*): plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to high/standard resistant varieties. Moderately/intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

Susceptibility: is the inability of a plant variety to restrict the growth and development of a specified pest or pathogen.

- If in a resistance code of a certain variety reference is made to certain pest biotypes or pathogen races for which the resistance is claimed this means that no resistance is claimed to other biotypes or races of the same pest or pathogen.

- If in a resistance code no reference is made to pest biotypes or pathogen races for which the resistance is claimed this means that resistance is claimed only to certain not further specified pest biotypes or pathogen races.

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Inclusion of a variety in this edition does not automatically imply that such a variety is available for purposes of exploitation; it might be available for testing only. For more information, please contact Rijk Zwaan (www.rijkszwaan.com).

The pictures in this edition show the types to which the varieties as mentioned belong and not all varieties as such. These pictures do not constitute any warranty, express or implied, of crop performance.



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