

Assortment season 2016 - 2017



Pepper

Sharing a healthy future



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Dear customer,

We are pleased to present to you the international pepper assortment of Rijk Zwaan.

In this booklet you will find an overview of our pepper assortment suitable for 'high tech' growing conditions. For each variety the crop type, general fruit and plant characteristics and resistances are mentioned.

Our dedicated team of breeders create an ever expanding range of high quality pepper varieties. You will find a wide range of forms and colours, suitable for most growing conditions. With this complete range of varieties Rijk Zwaan has a fast increasing marketshare in the international pepper market.

For more detailed information and custom variety advice we recommend you to contact one of our international crop specialists as listed.

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

Crop team pepper
Rijk Zwaan



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Pepper red

With varieties Nagano RZ, Davos RZ, Redwing RZ, and TM3-resistant Redline RZ we offer a complete range for all markets. Whether you prefer small or large fruits, and whether you start your crop in summer or winter, we always offer a reliable variety.

Davos RZ

Colour	red
Resistance	Tm:0-2
Average fruit weight	185 g
Vigour	vigorous
Crop type	open with power
Comments	as early as Nagano, high total yield
Countries	NL, UK, KOR, AT, GER, BE, NZ

Falko RZ

Colour	red
Resistance	Tm:0-3 TSWV:0
Average fruit weight	185 g
Vigour	vigorous
Crop type	full plants
Comments	requires a little more generative steering in the beginning, early production almost as high as Nagano, with high total yields
Countries	NL, AT, NZ, KOR, GER, SUI, GB, UK

Nagano RZ

Colour	red
Resistance	Tm:0-2 Lt
Average fruit weight	180 g
Vigour	average
Crop type	open, compact
Comments	high early production and total yields, steer for growth
Countries	NL, UK, KOR, AT, GER, BE, NZ



Redline RZ

Colour	red
Resistance	HR Tm:0-3 IR Lt
Average fruit weight	210 g
Vigour	medium to high vigour
Crop type	open plants, good balance
Comments	high yield, easy to steer
Countries	NL, CAN, MEX, USA, AUS

Redwing RZ

Colour	red
Resistance	HR Tm:0-2 IR TSWV:0/Lt
Average fruit weight	220 g
Vigour	very vigorous
Crop type	large leaf area
Comments	slightly later variety, requires generative steering
Countries	NL, 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 production with fast colouring, very high total in pieces and kilos, steer generatively
Countries	NL, UK, KOR, AT, GER, BE, NZ

Keessie RZ (35-192 RZ)

Colour	red
Resistance	HR Tm:0-3
Avg. fruit weight	195 g
Vigour	average to strong
Crop type	open, slightly more longer than Nagano
Comments	retains fruit weight in summer, fast, good quality and hence the new, coarser Nagano
Countries	all high-tech countries



Lt DEFENSE

Sweet pepper varieties with intermediate resistant (IR) to *Leveillula taurica* (Lt)



Zamboni RZ

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



Fabris RZ

Colour	red
Resistance	HR Tm:0-3 IR TSWV:0/Lt
Average fruit weight	190 g
Vigour	vigorous
Crop type	open with power
Comments	requires generative steering
Countries	CAN, MEX, USA, AUS, KOR, NZ, BE, GER, NL



Nesbitt RZ (35-189 RZ)

Colour	red
Resistance	HR Tm:0-3
Average fruit weight	190 g
Vigour	vigorous
Croptype	with a short crop
Comments	suitable for loose and pre-pack, super fruit quality
Countries	all high-tech countries

Subban RZ (35-190 RZ)

Colour	red
Resistance	 Tm:0-2  TSWV:0
Average fruit weight	195 g
Vigour	vigorous
Croptype	with a taller crop
Comments	suitable for loose and pre-pack, requires a generative steering
Countries	CA, MEX, NL, BE, UK

Hein RZ (35-193 RZ)


Colour	red
Resistances	 Tm:0-3  TSWV:0
Avg. fruit weight	210 g
Vigour	strong
Crop type	open with a slightly more elongated and fuller crop
Comments	top quality, coarse and blocky fruits, high final production and suitable for 4-stems
Countries	all high-tech countries

Pepper - yellow




As with red peppers, we also supply yellow varieties for the large and small segments. Stayer RZ is still the leading variety in the Benelux countries. In North America and Mexico, TM3 resistant Baselga RZ is the standard in the 'large' segment. New TM3 resistant variety Hattrick RZ (35-237 RZ) looks great and is already the main variety in British Columbia (Vancouver area).


Baselga RZ

Colour	yellow
Resistance	 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	 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


Helsinki RZ

Colour	yellow
Resistance	 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	 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, AT, GER, BE, NZ


Jorrit RZ

Colour	yellow
Resistance	 Tm:0-3
Average fruit weight	190 g
Vigour	vigorous
Crop type	tall crop
Comments	Jorrit is slightly smaller than Stayer, high production, no anthocyanin
Countries	KOR, NL, BE, UK, AT, NZ, GE



Stayer RZ

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


Allrounder RZ

Colour	yellow
Resistance	 Tm:0-3
Average fruitweight	200 g
Vigour	average
Crop type	very open open
Comments	remarkably little topping to do, strong against anthocyanin
Countries	BE, NL, AU, GER, UK, KOR, NZ, AUS, CAN


Sven RZ

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


Rookie RZ

Colour	yellow
Resistance	 Tm:0-3
Average fruitweight	210 g
Vigour	average till somewhat stronger
Crop type	open organized
Comments	requires generative steering
Countries	CAN, MEX

Hattrick RZ (35-243 RZ)

Colour	yellow
Resistance	 Tm:0-3
Average fruitweight	220 g
Vigour	average
Crop type	open
Comments	requires even steering
Countries	CAN, MEX, USA, AUS

Sablikova RZ (35-248 RZ)

Colour	yellow
Resistance	 Tm:0-3
Average fruitweight	210 g
Vigour	average vigour
Crop type	open but strong crop
Comments	requires generative steering early in the crop
Countries	all high-tech countries



35-251 RZ

Colour

Resistance

Avg. fruit weight

Vigour

Crop type

Comments

Countries

yellow

 Tm:0-3

220 g

strong

slightly more elongated and
openly generative

must be managed at the start and
produces coarse fruits of good
quality and a high final production
all high-tech countries



Pepper - green

Pursuit RZ: a true green pepper variety with a good size, shape and colour and TM3 resistance. Production is high. Because the crop is short, this variety is also suitable for lower glasshouses.

Pursuit RZ

Colour	green
Resistance	Tm:0-3
Average fruit weight	170 g
Vigour	very vigorous
Crop type	slightly denser but neat and tidy
Comments	requires vegetative steering, large and very productive
Countries	NL, UK, KOR, AT, GER, BE, NZ, CAN, MEX, USA, AUS

Fabris RZ

Colour	green
Resistance	Tm:0-3 TSWV:0/Lt
Average fruit weight	180 g
Vigour	vigorous
Crop type	strong but open
Comments	requires generative steering
Countries	BE, NL

Hein RZ (35-193 RZ)

Colour	green
Resistances	Tm:0-3 TSWV:0
Avg. fruit weight	185 g
Vigour	strong
Crop type	open with a slightly more elongated and fuller crop
Comments	top quality, coarse and blocky fruits, high final production and suitable for 4-stems
Countries	all high-tech countries







Pepper - orange

Apart from our proven well known varieties, we present our new generation of varieties for the orange segment. New varieties with outstanding fruit quality that can make a difference.


Boogie RZ

Colour	orange
Resistance	 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, AT, GER, CH

Orangery RZ



Colour	orange
Resistance	 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	 Tm:0-2
Average fruit weight	215 g
Vigour	vigorous
Crop type	open
Comments	steer generatively at the beginning
Countries	CAN, MEX, USA, AUS


Prosperity RZ

Colour
Resistance
Average fruit weight
Vigour
Crop type
Comments

orange
 Tm:0-3  TSWV:0/Ma/Mi/Mj
240g
very vigorous
compact and generative
production begins earlier than
Sympathy with fruits that are larger
and with a blockier shape.
Prosperity is suitable for long term
heated greenhouse crops and short
term crops for summer in
unheated greenhouses

35-310 RZ

Colour
Resistance
Avg. fruit weight
Vigour
Crop type
Comments

orange
 Tm:0-2
190 g
strong
very open and slightly elongated
coarse blocky fruits, good colour,
must be generatively managed at
the start
all high-tech countries

Countries



Sweet Palermo®

The reliable choice within the 'Dulce Italiano' segment, Palermo RZ is a proven specialty product due to the combination of productivity, exceptional taste and quality.

Palermo RZ

Colour	red
Resistance	HR Tm:0-2
Average fruit weight	125 g
Vigour	normal
Crop type	tall, open crop
Comments	requires a higher plant population than blocky peppers to achieve the best quality and yields. A minimum population of 9.0 stems/m ² is recommended
Countries	NL, UK, KOR, AT, GER, BE, NZ, CAN, MEX, USA, AUS

Yosemite RZ

Colour	yellow
Resistance	HR PVY:0,1,1.2/Tm0-2 IR TSWV:0
Avg. fruit weight	130 g
Vigour	average
Crop type	short and open
Comments	minimum of 9.0 stems per m ² , growth must be managed where possible
Countries	all high-tech countries

Hot pepper



For the last years chilli variety Daredevil RZ has been grown on a large scale as well. Yields are pleasing, and with respect to vigour there is no requirement for grafting.

Daredevil RZ

Colour	red
Resistance	HR Tm:0-3
Average fruit weight	125 g
Vigour	vigorous
Crop type	open, tall crop
Comments	no need for grafting; gives slightly larger fruits
Countries	NL, UK, KOR, AT, GER, BE, NZ, CAN, MEX, USA, AUS



Sweet Palermo®

www.sweetpalermo.com



Abbreviations and resistance definitions

Lt:	Leveillula taurica / Powdery mildew
PVY:	Potato Y potyvirus / Potato Y
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
TSWV:0	Tomato spotted wilt tospovirus / Tomato spotted wilt
HR:	High resistance
IR:	Intermediate resistance

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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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.

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).



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