

# Melon & Watermelon



Assortment 2019-2020

Sharing a healthy future



# Meet our

## Melon & Watermelon team

Dear customer,

We are happy to present to you our new international melon booklet: an overview of our melon and watermelon varieties. Our product development activities in recent years have led us into new production areas and consumer markets.

Hence, our range today includes varieties that are grown worldwide. Nevertheless, our international focus does not exclude new labels for local markets like Asian Jewels, a range of melon types and varieties specially bred for the various Asian markets. There are different ways of growing melons - e.g. open field or indoor, horizontal or vertical, local-for-local or further afield because of climate influences - but, ultimately, we all share the same goal: satisfied consumers - anywhere, anytime.

Should you have any questions about this booklet, please feel free to contact your local Rijk Zwaan representative.

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### Melon








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## Legend for icons / logos

(t) For trial purposes only (pre-commercial)

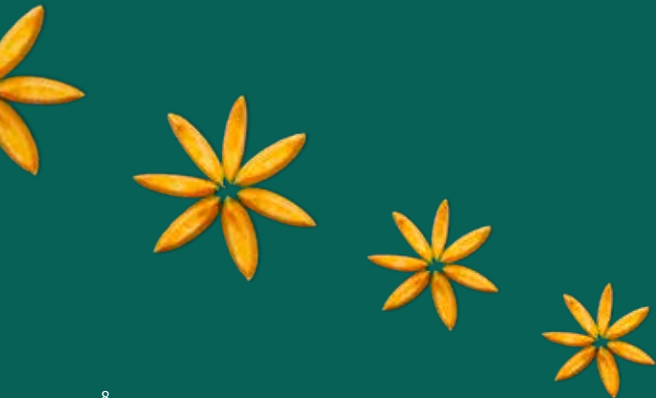
 HR	High resistance
 IR	Intermediate resistance
 NCT	Non-chemically treated
 APH	Varieties with natural intermediate resistance against aphids
 Flavour	Varieties selected for their exquisite flavour
 Fresh-cut	Varieties suitable for the fresh-cut category
 Snack line	Varieties selected for our snack line

Logo	Label description
	<p>Best of both worlds! Beach varieties have the flavour profile of traditional Cantaloupe melons with a slightly longer shelf life. The extended shelf life (ESL) makes them ship-able over longer distances.</p>
	<p>Caribbean is the label for our super-sweet, long-lasting, mellow melons. Long shelf life (LSL) varieties with a sweet, crunchy bite that travel very well over long distances.</p>
	<p>Appealing golden-coloured melons with green or orange fruit flesh. These sweet melon varieties are part of our 'Asian Jewels' line.</p>
	<p>Range of genetically smaller-sized Piel de Sapo melons with the same great flavour profile.</p>
	<p>Consumer brand for our top-quality Piel de Sapo melons. It is a special selection of varieties.</p>
	<p>Range of high-quality, compact-sized watermelons with micro seeds. The varieties can be grown on their own or used as pollinator.</p>
	<p>Silky-smooth, white-skinned melons with green or orange fruit flesh. These sweet melon varieties are part of our 'Asian Jewels' line.</p>
	<p>Thick, densely netted melon varieties. The skin is hard and protecting, the orange or green flesh is smooth and melts in the mouth. These sweet melon varieties are part of our 'Asian Jewels' line.</p>
	<p>Range of yellow melon varieties with an extraordinarily great flavour.</p>



An aromatic, flavoursome melon  
with an extended shelf life -  
that is the Beach concept.

*Taste the summer!*





## Harper extended shelf life

These varieties are the new-generation Harpers with extended shelf life (ESL). They have the flavour profile of traditional Cantaloupe melons with a slightly longer shelf life. The change of the skin colour at maturity is a good harvest indicator. Most of the varieties are part of our Beach concept and offer a very good combination of flavour, aroma and Brix.

### Giorgio RZ F1

Fruit weight	1.5 - 2 kg
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):2,5
Comments	It has a good flavour; juicy, aromatic in combination with good Brix. A good yielding variety with a medium plant vigour. It has a shelf life of approx. 10 days. The fruits are 'high round'.

### Santa Monica Beach RZ F1



Fruit weight	1.8 kg average
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):2,3,5
Comments	This variety is pleasant to eat due to the aromatic component with a good bite. Early variety, quick to mature.

### Cayucos Beach RZ F1



Fruit weight	2.0 - 2.3 kg
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Px (ex Sf):2,3
Comments	An ESL Harper that performs well in the majority of the season (= very large planting window!). It has a strong plant and a good field standability. The fruits have a good flavour. Great solution for a good-quality product.

### Hermosa Beach RZ F1



Fruit weight	2.2 - 2.5 kg
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Px (ex Sf):2,3
Comments	An ESL Harper with an early maturation. It produces very uniform, well-netted fruits. (Product for first harvests and tail end in South California/Arizona).



Cayucos Beach RZ

## Harper long shelf life

The melon varieties from our Caribbean concept are grown in many different countries. The varieties have strong, reliable plants with good production numbers. One characteristic for the fruit is the sweetness; Caribbean varieties are very sweet. The shelf life ensures that the melons maintain their good quality for a longer period after harvesting. A number of the varieties mentioned below are performing particularly strong in the fresh-cut industry, namely the types with higher-density flesh which retains its shape and structure well after cutting.

### Caribbean Smile RZ F1



Fruit weight	1.1 kg
Resistance	<b>HR</b> MNSV/Fom:0,1,2 <b>IR</b> Px (ex Sf):2,3
Comments	Performs well in difficult conditions (e.g. saline soil). The variety has round fruits with a very good internal fruit quality, deep orange flesh colour and high Brix.

### Caribbean Diamond RZ F1



Fruit weight	1.5 kg
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):1,2,3,5/Ag
Comments	It has a very strong plant with a broad package of resistances. This variety is very suitable for European retail because of its size.

### Caribbean Victory RZ F1 (34-751)



Fruit weight	1.6 kg
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Ag
Comments	New introduction in the Caribbean Diamond segment. Pretty melon with a dense netting. It has a very good internal quality, high sugar levels and nice deep-orange fruit flesh.



Caribbean Smile RZ



The super sweet long  
lasting mellow melon





## Harper long shelf life

### Caribbean Gold RZ F1



- Fruit weight 1.8 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2/Ag  
Comments Caribbean Gold has a very reliable field performance. Its strong plant is a solid base for high-quality melons. It has a concentrated fruit setting and a homogeneous fruit quality.

### Caribbean Sea RZ F1



- Fruit weight 1.8 kg  
Resistance **HR** MNSV/Fom:0,1,2 **IR** Px (ex Sf):2,3, 3.5, 5/Ag  
Comments New introduction in the Caribbean Gold segment. It has a broader resistance package and a slightly stronger plant. It also has a very good fruit setting.

### Caribbean King RZ F1



- Fruit weight 2.2 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3,5  
Comments Strong plant with a good leaf cover. The fruits have a good internal quality and a high sugar content.

### Caribbean Jackpot RZ F1 (34-777) (t)



- Fruit weight 2.2 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3,5  
Comments Caribbean Jackpot is a new introduction to the Caribbean King segment. Very strong plant, very good field performance.

### Caribbean Heart RZ F1



- Fruit weight 2.3 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments The largest member of the Caribbean family. It has strong crunchy flesh with a good sugar content. The plant is rather vigorous and has a good fruit setting.

Caribbean King RZ



## Golden Harper long shelf life

Colour is one of the most important factors in consumers' purchasing decisions, which is why shoppers love our 'Golden Harpers'. The fruits have a golden-yellow skin finish. These varieties are 'long life', so like the Caribbean series they can be shipped over longer distances.

### Caribbean Sunsweet RZ F1 (t)



Fruit weight 1.5 kg  
Resistance **HR** MNSV/Fom:0,1,2 **IR** Px (ex Sf):2,5/Ag  
Comments This Golden Harper has a very good flavour and perfect crunchy flesh combined with very high sugar levels.

### Caribbean Sunbeam RZ F1



Fruit weight 1.6 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5/Ag  
Comments Sunbeam is a variety with a strong plant and good fruit setting. The round fruits are attractive thanks to the external colour and dense netting.



Caribbean Sunsweet RZ



## Yellow Honeydew, Amarillo

Our Amarillo melons are like a ray of sunshine on supermarket shelves. This yellow melon has a very attractive appearance and its sweet bite creates a refreshing flavour. Amarillo melons can be either round or oval. This melon type generally has a sufficient shelf life for transport over long distances.

### Yeral RZ F1

Fruit weight 1.5 kg  
Resistance **HR** Fom:0,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Sweet melon due to the high sugar content. The plant is strong and produces a very homogeneous set of fruits.

### Eldor RZ F1

Fruit weight 1.5 kg  
Resistance **HR** Fom:0,1 **IR** Px (ex Sf):2,3,5  
Comments Eldor has a strong, vigorous plant with a good fruit setting. It performs well in tough conditions.

### Ducral RZ F1

Fruit weight 1.6 kg  
Resistance **HR** Fom:0,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Refreshing flavour, the flesh has a good bite. Strong plant. The fruits are oval shaped.

### Natal RZ F1

Fruit weight 1.6 kg  
Resistance **HR** Fom:0,2 **IR** Gc (ex Ec):1/Px (ex Sf):2  
Comments Natal has a great flavour and has a good bite combined with a good sugar content. It has nice a presentation with a bright yellow skin colour at maturity.

### Limal RZ F1

Fruit weight 1.6 kg  
Resistance **HR** - **IR** Px (ex Sf): 2,3,5  
Comments Variety for early cropping. It has a strong plant and produces very homogeneous fruits.







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# Yellow Honeydew, Amarillo

## Azilal RZ F1

Fruit weight	1.7 kg
Resistance	<b>HR</b> MNSV/Fom:0,1 <b>IR</b> Px (ex Sf):2,3,5
Comments	Variety for early cropping. It has a strong plant and good fruit setting in relatively colder conditions. Azilal has a good package of resistances.

## Pekin RZ F1

Fruit weight	1.7 kg
Resistance	<b>HR</b> Fom:0,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):2,5
Comments	Variety for early cropping, develops well in colder conditions. Good fruit setting. Fruits have a smooth skin.

## Glacial RZ F1



Fruit weight	1.8 kg approx.
Resistance	<b>HR</b> Fom:0,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):1,2,5/Ag
Comments	Good internal quality, dense white crispy flesh with good Brix levels. Oval / round shape. Strong plant with good field performance.

## Caimital RZ F1

Fruit weight	2 kg
Resistance	<b>HR</b> Fom:0,1,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):2,3,5
Comments	Modern variety with good field performance. Strong plant with a good resistance package. The fruits have an oval shape and a bright-yellow colour.

## Crucial RZ F1

Fruit weight	2.3 kg
Resistance	<b>HR</b> MNSV/Fom:0,1 <b>IR</b> Px (ex Sf):2,5
Comments	Large-sized Yellow Honeydew type. Strong plant with a good vigour. Crucial has a strong, slightly ribbed skin. It performs well in tough conditions.

## Kechal RZ F1

Fruit weight	2.5 kg
Resistance	<b>HR</b> Fom:0,1 <b>IR</b> Px (ex Sf):2,5
Comments	Well-balanced plant with a good fruit setting. The fruits are large and uniform. The shape is oval.

## White Honeydew

This white-skinned melon is eaten in many different countries around the world. It has a smooth skin and a greenish flesh colour. Like the yellow version of the Honeydew it has a sweet, refreshing flavour profile.

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### Sanvicente RZ F1

Fruit weight 2 kg  
Resistance **HR** Fom:0,2 **IR** Px (ex Sf):2,3,5  
Comments The fruits have green fruit flesh and a nice sweet flavour. A strong plant suitable for both indoor and open-field production.

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### Sanfelipe RZ F1 (34-820) (t)

Fruit weight 2 kg  
Resistance **HR** Fom:0,2 **IR** Px (ex Sf):2,5A  
Comments This melon has a light creamy skin and great-tasting green flesh. The strong plant makes it suitable for early plantings.

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*Sanvicente RZ*

## Piel de Sapo, the Spanish melon

Piel de Sapo is a melon of Spanish origin and the only type of melon that is eaten in Spain! It traditionally produces large fruits up to 4 kg. Besides these traditional types, Rijk Zwaan has succeeded in developing genetically smaller varieties offering a similar flavour experience. This range is called 'Mellisissimo'. Piel de Sapo is often named as the best-flavoured melon type.

### Ricura RZ F1



Fruit weight 1.5 - 2 kg

Resistance MNSV/Fom:0,1 Gc (ex Ec):1/Px (ex Sf):2,5

Comments Ricura has an excellent flavour. The ripening is very even which makes it a steady and reliable variety. It has a good plant that grows well in different climate zones. The shelf life is good.

### Dolsura RZ F1



Fruit weight 1.8 - 2.3 kg

Resistance - Px (ex Sf):2,3, 3.5 ,5/Ag

Comments Dolsura is a small-sized Piel de Sapo with a good bite and flavour profile. It has a strong, dark green plant with dark green fruits. It has a very good shelf life and ships well over longer distances.

### Finura RZ F1



Fruit weight 2 - 2.5 kg

Resistance Fom:0,1 Gc (ex Ec):1/Px (ex Sf):2,5/Ag

Comments Finura has a good, traditional Piel de Sapo flavour. It is medium sized. The plant is strong and has a complete resistance package.

### Bravura RZ F1



Fruit weight 2.5 kg

Resistance Fom:0,1,2 Gc (ex Ec):1/Px (ex Sf):2,5/Ag

Comments Good-flavoured Piel de Sapo melon with a good bite. The fruits have a good shelf life so they can be shipped over long distances. The plant is strong and has a complete package of resistances.

### Flechaverde RZ F1



Fruit weight 2.8 - 3.5 kg

Resistance MNSV Gc (ex Ec):1/ Px (ex Sf):2,5/Ag

Comments Sweet variety that can be grown in several climate zones. The larger size makes it suitable for consumption in the Spanish market. It has a strong plant with good vigour.

## Piel de Sapo, the Spanish melon

### Mesura RZ F1



Fruit weight	3 kg
Resistance	<b>HR</b> MNSV/Fom:0,1,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):2,5/Ag
Comments	Good-flavoured Piel de Sapo for the local Spanish market. It has nice netting which gives it a great presentation. It performs well in early transplanting.

### Galactus RZ F1



Fruit weight	3.5 kg
Resistance	<b>HR</b> MNSV/Fom:0,1 <b>IR</b> Px (ex Sf):2,3, 3.5,5/Ag
Comments	Great-flavoured Piel de Sapo with a crunchy bite for consumption in Spain. It has a good package of resistances. It performs well in the different climate zones.



Mesura RZ









## Galia yellowing

This melon is easy to recognise thanks to its yellow colour. The melons are fully covered by a fine layer of netting. More recent introductions have a longer shelf life which allows them to be transported over greater distances.

### Fruitvalley RZ F1

Fruit weight 0.7 kg  
Resistance **HR** MNSV/Fom:0,1,2 **IR** Px (ex Sf):2,3,5  
Comments High-quality fruits. Strong plant with good package of resistances. Fruitvalley is a productive variety.

### Mirella RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments A golden oldie with a good flavour. Mirella is a very early variety and has a good fruit setting.

### Alpes RZ F1

Fruit weight 1.1 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments A good mix of aroma and sweetness forms the basis of the good flavour. The plant is strong and has a good vigour.

### Montseny RZ F1

Fruit weight 1.8 kg  
Resistance **HR** Fom:0,1 **IR** Px (ex Sf):2,3,5  
Comments Typical flavour of an aromatic Galia. Strong plant with a good fruit setting.

### Dikti RZ F1

Fruit weight 1.8 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Good plant vigour for longer cropping period. Late variety with a high production.

### Jucar RZ F1

Fruit weight 1.8 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Typical classic Galia with a large size. It is mainly used in the early segment (early setting and maturation).

### Gueliz RZ F1

Fruit weight 2.0 kg  
Resistance **HR** MNSV/Fom:0,1 **IR** Px (ex Sf):2,5  
Comments Sweet and juicy classic Galia. Well-balanced plant vigour, good earliness in setting and maturation.

## Galia long shelf life

### Salmeron RZ F1

Fruit weight	1.0 kg
Resistance	MNSV/Fom:0,1,2  Px (ex Sf):2,3,5
Comments	Sweet Galia with slight change of colour at maturity. Strong plant with nice uniform fruits. Good overall production.

### Alcazaba RZ F1

Fruit weight	1.0 kg
Resistance	Fom:0,1,2  Px (ex Sf):2,3,5
Comments	Sweet Galia for indoor cropping. Good plant with a very high production.

### Tenorio RZ F1



Fruit weight	1.4 kg
Resistance	MNSV/Fom:0,1,2  Gc (ex Ec):1/Px (ex Sf):2,5/Ag
Comments	Great-flavoured Galia. Strong plant with good, concentrated fruit setting. Bright yellow skin colour.

## Galia extended shelf life

### Venus RZ F1

Fruit weight	1.0 kg
Resistance	MNSV/Fom:0,1,2  Px (ex Sf):2,3,5
Comments	Good-flavoured Galia variety. The change of colour is a clear harvest indicator. Mainly used in mid-season Murcia (Spain).

### Taigeto RZ F1

Fruit weight	1.5 kg
Resistance	MNSV/Fom:0,1,2  Px (ex Sf):2,3,5
Comments	Sweet Galia melon with extended shelf life. Strong plant with good powdery mildew resistance.

### Karpatos RZ F1

Fruit weight	1.7 kg
Resistance	MNSV/Fom:0,1  Gc (ex Ec):1/Px (ex Sf):2,3,5
Comments	Excellent taste with the advantage of extra shelf life. It is a productive variety.



## Charentais long shelf life

A round melon with a sweet flavour. French consumers really love this type; it is the most important melon type in France. Charentais is available in yellowing and 'long shelf life' varieties. The skin of this orange-fleshed melon has fine yet well-defined netting.

### Barriol RZ F1



Fruit weight 1.1 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5/Ag  
Comments Good plant, with broad resistance package. Good fruit setting.

### Casasol RZ F1



Fruit weight 1.1 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3,5/Ag  
Comments Good plant. Good fruit setting in early (colder) conditions. Good field standability.

### Frivol RZ F1



Fruit weight 1.2 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,3, 3.5,5/Ag  
Comments Sweet melon variety. Well-balanced plant for open-field production. Broad resistance package.

### Signal RZ F1



Fruit weight 1.2 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5/Ag  
Comments Strong plant, with broad resistance package. Very good and concentrated fruit setting.

### Mirandol RZ F1 (34-503) (t)



Fruit weight 1.2 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3,3-5A,5/Ag  
Comments Good plant that is well adapted to early and summer conditions. Full package of natural resistances. Semi-concentrated fruit setting. Good internal quality.

### Paniol RZ F1



Fruit weight 1.2 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3, 3.5,5/Ag  
Comments Good internal quality, high Brix. Good balance in the plant, semi-concentrated fruit setting, high yield potential. Round shape, persistent stripe, good netting and good contrast.



## Charentais yellowing

### 34-407 RZ F1 (t)



Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Fom:1.2/Px (ex Sf):2,5/Ag  
Comments Good-tasting melon variety. Generative plant habit with broad resistance package.

### 34-412 RZ F1 (t)



Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Fom:1.2/Px (ex Sf):2,5/Ag  
Comments Early concentrated fruit setting.

### 34-415 RZ F1 (t)



Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3,3.5,5/Ag  
Comments Good-tasting melon variety. Generative plant habit with broad resistance package.

### Lapeyo RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Fom:1.2/Px (ex Sf):2,3  
Comments Charentais with good flavour based on nice aroma and sugar content. Good plant with broad resistance package. Good field standability.

### Bebop RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1 **IR** Px (ex Sf):2,3,5  
Comments Good plant. Good fruit setting, summer variety

### Ellington RZ F1



Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,3,3.5,5/Ag  
Comments Good plant. Very broad resistance package. Good production. Summer variety.

### Escorial RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Sweet melon. Good, vigorous plant. Good presentation due to bright skin colour and clearly defined stripes. Summer, open-field variety.

## Charentais yellowing

### Galliano RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments Strong plant, good for early conditions in open field.

### Grappelli RZ F1



Fruit weight 1 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,3,3.5,5/Ag  
Comments Good plant with broad resistance package. Concentrated setting.

### Marsalis RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,3  
Comments Strong, green plant that protect fruits well. Marsalis is a summer variety for open-field cropping. The variety is strong against fruit cracking.

### Meroe RZ F1

Fruit weight 1 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments Strong, vigorous plant for early cropping. Fruit size for early production, genetically large to achieve the required sizing.

### Arkaia RZ F1



Fruit weight 1.1 kg  
Resistance **HR** Fom:0,1,2 **IR** Fom:1.2/Px (ex Sf):2,3,5/Ag  
Comments Well-balanced plant. Arkaia works well in early spring conditions. Good field standability, slow change of colour.

### Belharra RZ F1





Fruit weight 1.1 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,5/Ag  
Comments Sweet aromatic melon. Good plant that works well in early (colder) open-field conditions.

## Italian Cantaloupe long shelf life



The Italian Cantaloupe has some similarities with the Charentais, but with a thicker netting, an oval shape and a generally larger size. This type is available in yellowing and 'long shelf life' varieties.

### Guban RZ F1



Fruit weight 1.4 kg  
Resistance  Fom:0,1,2  Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Very good internal quality. Nice netting with good presentation. Strong, vigorous plant.

### 34-643 F1 (t)





Fruit weight 1.6 kg  
Resistance  Fom:0,1,2  Px (ex Sf):2,4,5/Ag  
Comments Sweet melon with intense orange flesh. Good plant that is well adapted to colder conditions (greenhouse cropping).

### Rangipo RZ F1



Fruit weight 2 kg  
Resistance  Fom:0,1,2  Px (ex Sf):1,2,5  
Comments Great flavour. Strong, compact plant. Very nice presentation due to strong and well-defined netting.

## Italian Cantaloupe yellowing



### Jemadar RZ F1

Fruit weight 1 kg  
Resistance  Fom:0,1,2  Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments Well-balanced plant with medium vigour. Good presentation due to nice contrast of skin and stripes. Good shelf life for an aromatic melon.

### Solgem RZ F1

Fruit weight 1 kg  
Resistance  Fom:0,1,2  Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments Good plant with good fruit protection. Good fruit setting in warm conditions. Good standability and slow-colouring skin.

### Donar RZ F1

Fruit weight 1.4 kg  
Resistance  Fom:0,1,2  Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments Very good internal and external quality. Strong plant with good fruit setting. Broad resistance package.







## Asian Jewels

These varieties are specially developed for the various Asian markets. In many of these countries melons are grown in a vertical system. Asian consumers prefer different flavours and textures. In general the flesh is somewhat softer and it has a higher sugar content / Brix value.

### Golden Emerald Inthanon RZ F1



Fruit weight 1.7 kg  
Resistance **HR** MNSV/Fom:0,1 **IR** Gc (ex Ec):1/Px (ex Sf):2,5  
Comments Strong, healthy plant. Good resistance package. Nice presentation and great flavour.

### Silky Pearl Taj Mahal RZ F1 (34-804) (t)



Fruit weight 2.3 kg  
Resistance **HR** - **IR** Px (ex Sf):2,3,5  
Comments The fruits have orange flesh and a crispy, sweet flavour. It has a compact plant mainly suitable for indoor, vertical cropping.

### Silver Coral Railay RZ F1 (34-901)



Fruit weight 2 kg  
Resistance **HR** Fom:0,1,2 **IR** Px (ex Sf):2,3/Ag  
Comments The orange-flesh fruits mature early. It has a strong plant with a high yield capacity.

### 34-902 RZ F1



Fruit weight 2.6 kg  
Resistance **HR** Fom:0,1,2 **IR** Gc (ex Ec):1/Px (ex Sf):2,3,5  
Comments This is an orange flesh type with sutures. The strong plant can be grown indoors as well as in open field.

### 34-903 RZ F1



Fruit weight 2.6 kg  
Resistance **HR** Fom:0,1,2 **IR** Ag  
Comments Orange flesh with an average brix of 15. Very strong plant with a good leaf cover. It can be grown indoors and in open field.

### Branco de Ribatejo, the Portuguese Melon

Branco is an oval (rugby-ball-shaped) fruit with juicy flesh. Its skin is white, slightly ribbed and somewhat written as an indicator of the right ripeness for eating. This fruit is very tasty and full of flesh which makes it delicious and refreshing.

### Portoalto RZ F1



Fruit weight	3.5 kg
Resistance	<b>HR</b> Fom:0,2 <b>IR</b> Gc (ex Ec):1/Px (ex Sf):2,3,5/Ag
Comments	Great flavour. Uniform fruit size and shape. It has a strong plant with a good fruit setting and good overall production.

Portoalto RZ



### Kirkagaç, the Turkish Melon

Our Kirkagaç melons have a beautiful golden skin colour. This type is mainly produced and consumed in Turkey. The fruit shapes are unusual, ranging from a pumpkin-like shape to oval. The colour of the sweet melon is generally yellow with greenish spots.

### 34-868 RZ F1 (t)

Fruit weight	3.5 kg
Resistance	<b>HR</b> MNSV <b>IR</b> Px (ex Sf):2,5
Comments	Sweet and juicy, white-fleshed melon with a good sugar content. Well-balanced plant that protects the fruits against the sun. The fruits have a good shelf life.

34-868 RZ



### Ananas, the African melon

Ananas melons traditionally originated in Africa. As the story goes, they first appeared in France around 1780. Currently this melon type is mainly grown in the Middle East, producing in general large-sized (from 3 kg) musky melons. The fruit flesh tends to be very juicy.

#### Kalyna RZ F1 (34-019) (t)

Fruit weight 3 kg  
Resistance **HR** Fom:0,1 **IR** Px(ex sf):2,5  
Comments Good-flavoured, orange-fleshed melon, with an average Brix of 3. The fruits are very uniform in size and have an extended shelf life. Good plant.

#### 34-870 RZ F1 (t)

Fruit weight 3 kg  
Resistance **HR** Fom:0,1,2 **IR** Px(ex sf):2  
Comments Sweet Ananas melon with a good Brix. This is a very early variety with a strong plant. This is a white-fleshed melon.

#### 34-871 RZ F1 (t)

Fruit weight 3 kg  
Resistance **HR** Fom:0,1,2 **IR** Px(ex sf):2,5  
Comments Early variety with a good internal quality (sweet and small cavity). This is a white-fleshed melon.

#### Catherine RZ F1

Fruit weight 4 kg  
Resistance **HR** - **IR** Px(ex Sf):2,5  
Comments Ananas melon. Early maturity, large-sized fruits with a very small cavity and high yield. Very vigorous, strong and rustic (adaptive).

*Catherine RZ*



## Sandissima

Sandissima is a range of watermelon varieties with great flavour and small micro-seeds. The varieties are in general small or medium in size, which is a popular sizing in several parts in the world. The Sandissima varieties are dual-purpose: they can be sold regularly, but they can also be used as pollinators.

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### Sugar Baby Conguita RZ F1

Fruit weight 2.5 kg  
Comments Small, attractive, dark-green watermelon. Very uniform round / oval shape. Nice deep-red flesh. Good plant and excellent fruit setting.

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### Tiger Gatinho RZ F1

Fruit weight 2.5 kg  
Comments Small to medium-sized watermelon with good internal quality. High yield due to excellent fruit setting. Extremely homogeneous end product. Excellent fruit setting.

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### Tigrinho RZ F1

Fruit weight 3.5 kg  
Comments Medium-sized watermelon. Nice round shape with an attractive design. Good internal quality. The plant has a good leaf cover and a uniform fruit setting.

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### 62-356 RZ F1 (t)

Fruit weight 3.5 kg  
Comments Medium-sized watermelon. Round shape. Bright-red flesh with a great flavour.

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### Crimson Sweet 62-430 RZ F1 (t)

Fruit weight 3 kg  
Comments Personal size, round watermelon with great, sweet flavour and good internal quality.

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**Sandissima**

## Watermelon, seedless

Seedless watermelon varieties are very common in a number of countries around the world. For example the United States, Western Europe and Australia are typical countries for seedless watermelon production and consumption. Seedless watermelon varieties are available in many different sizes, from 1 kg up to 12 kg.

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### **Tiger Stripe Kidman RZ F1**

Fruit weight 5 - 7 kg  
Comments Round/oval fruits of medium size. External appearance and internal quality are good. Good plant with uniform fruit setting. High-yielding variety.

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### **Lawrence RZ F1**

Fruit weight 5 - 7 kg  
Comments Suitable for indoor and outdoor growing. Good fruit setting under various conditions.

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### **Crimson Sweet 62-923 RZ F1 (t)**

Fruit weight 3 kg  
Comments Personal size, round watermelon with a good plant. Bright-red flesh, very good internal quality.

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### **Lanikai RZ F1**

Fruit weight 7 - 9 kg  
Comments Large watermelon variety with intense red flesh. Good plant, growing behaviour and fruit setting.

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## Watermelon, seedless

### Sugar Baby

#### 62-974 RZ F1 (t)

Fruit weight 2 - 3 kg

Comments Personal size, round watermelon. Very homogeneous fruit sizes. Great internal quality and flavour. Deep red flesh with a good bite.

### Tropical Sunshine RZ F1 (62-599) (t)

Fruit weight 5-6 kg

Comments Medium-sized, attractive, dark-green watermelon with yellow flesh. Very uniform round / oval shape. Nice deep-yellow flesh. Good plant and excellent fruit setting.

### Himalia RZ F1

Fruit weight 5 - 7 kg

Comments Round fruits with a very attractive external colour. Homogeneous medium size. Deep-red flesh with an excellent flavour.

### Almatea RZ F1

Fruit weight 6 - 7 kg

Comments Very good internal quality. Medium size, round shape, very dark-green skin. Good fruit setting. Early variety.

### Titania RZ F1

Fruit weight 6 - 8 kg

Comments Round fruits with a very dark skin. Good fruit setting even in colder conditions. The internal quality and the taste are good.



*Almatea RZ*

## Watermelon, seeded

This page shows our classic seeded watermelon varieties in various sizes and skin patterns. We can provide a selection of seeded hybrid varieties of the traditional types for various regions of the world.

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### **Sugar Baby** **Baronesa RZ F1**

Fruit weight 5 - 7 kg

Comments Very good internal quality. Medium size, round shape, very dark-green skin. Good fruit setting, early variety.

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### **Huelva RZ F1**

Fruit weight 5 - 7 kg

Comments Round fruits with a very attractive external colour. Homogeneous medium size. Deep-red flesh with an excellent flavour.

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*Bretona RZ*

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## Watermelon, seeded

### Crimson Sweet Carroll RZ F1

Fruit weight 8 kg  
Comments Early, good fruit setting. Good internal quality. Crunchy flesh.

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### Columbia RZ F1

Fruit weight 8 - 10 kg  
Comments Fruits with nicely patterned skin. Bright-red flesh with good taste and sugar level. Good vigour and fruit setting.

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### Lusitana RZ F1

Fruit weight 8 - 10 kg  
Comments Large oval / round crimson seeded watermelon, dark stripes with very intense red flesh and high Brix, high precocity.

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### Bretona RZ F1

Fruit weight 8 - 12 kg  
Comments Large oval / round large watermelon with high yield, excellent quality even under early conditions, high precocity.

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### Yukon RZ F1

Fruit weight 9 - 10 kg  
Comments Large, oval / blocky shaped.

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### Morgan RZ F1

Fruit weight 10 - 15 kg  
Comments Large elongated crimson seeded watermelon with very high yield and uniform shape even in very early conditions.

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Morgan RZ

## Rootstock

Rootstock provides extra resistance to soil-borne diseases. This is especially important for watermelons since they have limited resistance of their own. But rootstock also gives the plants extra power, thus helping them to grow in tough conditions. Another benefit is the extra yield: rootstock can influence the size of the fruits and hence ultimately the tonnes per hectare.

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### Pumpkin (*C. maxima* x *C. moschata*)

#### Cobalt RZ

**HR** Fom:0,1,2,1.2/For/Va **IR** Fon:0-2

Cucurbitaceae rootstock type *C. maxima* x *C. moschata*. High vigour. Well-balanced plant. Earlier than other squash hybrids. Good combination with melon and watermelon varieties.

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#### Ferro RZ

**HR** Fom:0,1,2,1.2/For/Va **IR** Fon:0-2

Cucurbitaceae rootstock type *C. maxima* x *C. moschata*. Very high vigour. Gives a very high production with uniform fruits. Recommended for open-field melons and watermelons.

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### Lagenaria

#### Pelops RZ

**HR** Fom:0,1,2,1.2/Va **IR** Fon:0-2

Cucurbitaceae rootstock type *Lagenaria siceraria* for watermelon grafting. Medium vigour and very early production. Good production uniformity and high fruit quality.

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### Melon

#### Sphinx RZ

**HR** Fom:0,1,2 **IR** Fom:1.2/Px (ex Sf):2,3,5

Melon rootstock for melon grafting with Fusarium 1,2 and powdery mildew resistances. Good fruit setting in cold conditions. Suitable for early crops.

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# Abbreviations and resistance statement

Fom	Fusarium wilt ( <i>Fusarium oxysporum f.sp.melonis</i> )
Gc (ex Ec)	Powdery mildew( <i>Golovinomyces cichoracearum</i> (ex <i>Erysiphe cichoracearum</i> ))
Px (ex Sf)	Powdery mildew ( <i>Podosphaera xanthii</i> (ex <i>Sphaerotheca fuliginea</i> ))
Ag	Cotton aphid ( <i>Aphis gossypii</i> )
MNSV	Melon necrotic spot virus ( <i>Melon necrotic spot virus</i> )
Fon	Fusarium wilt ( <i>Fusarium oxysporum f. sp. Niveum</i> )
Va	Verticillium wilt ( <i>Verticillium albo-atrum</i> )

## 1. Introduction

The relationship between a plant and a pest is very complex. The terms that describe the reaction of a plant variety to a pest are determined by tests under controlled environmental conditions with known and characterised biotypes, pathotypes, races or strains of the pest in question.

In practice however, the ability of a pest to cause disease in a plant depends on environmental conditions, the properties of the organism itself and the capacity of the plant to defend itself. Varieties within a plant species can differ in their ability to defend themselves. Under different conditions, such as age of the plant, pest pressure and virulence or adverse environmental conditions, the interaction between the same plant and pest may have different outcomes. Pests are known to develop and form new biotypes, pathotypes, races or strains that can cause damage to plants that remain unaffected by the original form of the pest. To promote consistency in the terms used to describe the reaction of a plant to a pest, ISF Vegetable and Ornamental Crops Section has defined the following terms.

## 2. Definitions

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

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

High resistance (HR\*): plant varieties that highly restrict the growth and development of the specified pest under normal pest pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest pressure. Strains that may emerge are not covered by the original resistance claim.

## and disclaimer

Intermediate resistance (IR<sup>\*</sup>): plant varieties that restrict the growth and development of the specified pest but may exhibit a greater range of symptoms or damage compared to high resistant varieties. Intermediate resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest pressure.

It is to be noted that if a resistance is claimed in a plant variety it is limited to the specified biotypes, pathotypes, races or strains of the pest.

If no biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. New biotypes, pathotypes, races or immunity is when a plant is not subject to attack or infection by a specified pest.

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