

Assortment  
2015



# Hydroponic Lettuce

Sharing a healthy future





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## Climate conditions/zones

In this catalogue we have defined the following climate definitions with respect to the variety suitability.

### **Temperate growing conditions**

A temperate climate zone is a growing area where the outside average day temperature is not higher than 20 °C. This means that in some places such as in East and South Europe there can be a partly tropical period of the year, which can last anything from a few weeks to several months.

### **(Sub)tropical growing conditions**

In a (sub)tropical area the average day temperature is mostly higher than 20 °C. However in some countries the altitude of the growing area can be high enough that (partly) temperate temperatures are realized.

However, temperate climate conditions can be created with Pad and Fan in (sub) tropical dry climate zones. In the winter, more temperate varieties can achieve better results.

Growers in an area where both climate zones can occur are advised to conduct trials to identify the most preferable varieties. Some places around the equator with short days can have very good results with temperate winter varieties in a (sub)tropical climate. These varieties can achieve a very good heat tolerance but a sensitivity for bolting on days longer than 13 hours.

Dear Customer,

We are pleased to present to you Rijk Zwaan's international lettuce range for hydroponic cultivation. This catalogue provides an overview of the lettuce varieties that are suitable for cultivation on water, including a description of the crop type, characteristics and resistances for each one. Our dedicated team of breeders is continuously working on new developments, resulting in an ever-expanding range of innovative varieties across all segments. You can see many of the varieties featured in this catalogue for yourself by visiting one of our Demo Fields which are held around the world. For more detailed information and tailor-made advice, please contact one of our local crop specialists. Rijk Zwaan wishes you much growing and harvesting success!

Crop Team Lettuce  
Rijk Zwaan





## Leaf lettuce

Leaf lettuce Green

### Mercato RZ

**HR** Bl:16-31/Pb

Mercato RZ is an indoor Lollo Bionda, low crop height adapted for autumn and winter production with artificial lights.

### Lozano RZ

**HR** Bl:16-31/Nr:0

Lozano RZ is an indoor Lollo Bionda for autumn, winter and spring production. Very strong bottom and very strong against tip burn.

### Livorno RZ

**HR** Bl:16,17,21,23

Livorno RZ is a compact Bionda with firm leaves for autumn, winter and spring production. The crop shape is very nice. Very harvest-sure variety.

### Locarno RZ

**HR** Bl: 16,21,23

Locarno RZ is a fast-growing Lollo Bionda.

### Lugano RZ

**HR** Bl: 16,21,23

Lugano RZ is an indoor Lollo Bionda, suitable for summer production. It is very slow-bolting.



## Leaf lettuce

Leaf lettuce Red



### Satine RZ

**HR** Bl: 16-28,30,31/Nr:0

Satine RZ is an indoor Lollo Rossa. It is possible to grow this variety all year round.

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### Corentine RZ

**HR** Bl:16-31

Corentine RZ is a bigger Satine with thicker leaves. Corentine RZ is suitable for indoor production in autumn, winter and spring.

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### Amandine RZ

**HR** Bl: 16,21,23/Fol:1

Amandine RZ is an indoor Lollo Rossa.

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### Carmolí RZ

**HR** Bl: 16-23,25,31/Nr:0

Carmolí RZ is a triple-red, relatively vigorous Lollo Rossa. Carmolí RZ is an open type, so that the light can reach the heart. This gives vigour as well as red colouration.

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### Carmesi RZ

**HR** Bl: 16-28,30,31/Fol:1/Nr:0

Carmesi RZ is a deep-red Lollo Rossa. Slow bolting. Strong vigour.

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### 85-97 RZ

**HR** Bl:16-31/Nr:0

85-97 RZ is a triple-red Lollo Rossa, comparable with Carmesi RZ, but is stronger against bolting.



## Temperate growing conditions

	Winter			Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h	
		Whole head	Whole head	2 or 3 plants per pot	Whole head
Mercato RZ		●			
Lozano RZ	●	●			
Livorno RZ	●				
Lugano RZ				●	
Satine RZ	●	●		●	
Corentine RZ	●	●			
Carmolí RZ		●	●	●	●
Carmesi RZ		●	●	●	●
85-97 RZ		●	●	●	●

## (Sub)tropical growing conditions

	Winter		Summer
	Day < 13 h	Day < 13 h	Day > 13 h
	Whole head	Whole head	Whole head
Mercato RZ	●	●	
Lozano RZ	●	●	
Livorno RZ	●	●	
Locarno RZ	●	●	●
Lugano RZ		●	●
Satine RZ	●	●	●
Corentine RZ	●	●	
Amandine RZ	●	●	●
Carmolí RZ	●	●	
Carmesi RZ	●	●	●
85-97 RZ	●	●	●

## Oak leaf lettuce

Oak leaf lettuce Red



### Mondai RZ

**HR** Bl:16,21,23/Pb | **IR** LMV:1

Mondai RZ is a dark-red Oak leaf variety. Very vigorous.

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### Rouxai RZ

**HR** Bl:1-30/Nr:0

Rouxai RZ is a very dark (quatro) Red Oak leaf. Rouxai RZ is unique because of its very red colour on the upper side of the leaves but also the intense red colour on the underside of the leaves.

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### 83-02 RZ

**HR** Bl:16-31/Nr:0

83-02 RZ is a faster and larger Rouxai RZ type. This variety is very strong against tip burn.

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### Zoumai RZ

**HR** Bl:16-31/Nr:0

Zoumai RZ is a red Oak leaf lettuce for short-day production. Zoumai RZ has a broad, well-closed base. It is suitable for late autumn, winter and spring production. The leaves are thicker than Soupirai RZ.

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### Soupirai RZ

**HR** Bl:16-30/Nr:0

Soupirai RZ is a red Oak leaf suitable for indoor production in autumn, winter and spring. It is possible to grow this variety in a Salatrio with artificial lights but then the harvest weight is limited.

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### Paradai RZ

**HR** Bl:16-25,27,28,30,31/Nr:0/Pb | **IR** LMV:1

Paradai RZ is a slow-bolting triple-red Oak leaf.



## Oak leaf lettuce

Oak leaf lettuce Green

### Kitonia RZ

**HR** Bl:16-31/Nr:0/Pb

Kitonia RZ is a harvest-sure compact green Oak leaf. This variety is very strong against elongation in extreme conditions.

### Kristine RZ

**HR** Bl:16,17,21,23 | **IR** LMV:1

Kristine RZ is a blond-green fast-growing Oak leaf.

### Krilda RZ

**HR** Bl:16-23,25,31/Pb

Krilda RZ is a large green Oak leaf lettuce.

### Kiribati RZ

**HR** Bl:16-31/Nr:0 | **IR** LMV:1

Kiribati RZ is a very fast-growing green Oak leaf variety for summer production. Very strong against tip burn.





## Temperate growing conditions

	Winter			Summer	
	Day < 13 h		Day > 13 h (artificial light)	Day > 13 h	
	Whole head	Whole head	2 or 3 plants per pot	Whole head	2 or 3 plants per pot
Kitonia RZ	●	●		●	
Krilda RZ		●	●		●
Kiribati RZ				●	●
Mondaï RZ		●	●		●
Rouxai RZ		●*		●	
83-02 RZ		●*	●	●	●
Zoumai RZ	●				
Soupirai RZ	●				

\* Only when young plants grown under artificial lights or with enough natural light

## (Sub)tropical growing conditions

	Winter		Summer	
	Day < 13 h		Day < 13 h	Day > 13 h
	Whole head	Whole head	Whole head	Whole head
Kitonia RZ	●	●	●	●
Kristine RZ	●	●	●	●
Kiribati RZ	●	●	●	●
Mondaï RZ	●	●	●	●
Rouxai RZ	●	●	●	●
83-02 RZ	●	●	●	●
Zoumai RZ	●	●		
Soupirai RZ	●	●		
Paradaï RZ	●	●		●





## Batavia lettuce

Batavia lettuce Blond/Green

### Othilie RZ

**HR** Bl:16-31/Nr:0/Pb | **IR** LMV:1/Fol:1

Othilie RZ is a very harvest-sure green Batavia. This variety is strong against elongation under extreme conditions. Othilie RZ can be grown with and without artificial lights.

### Aficion RZ

**HR** Bl:16,21,23

Aficion RZ is an open Batavia type and is more or less comparable to Grand Rapids. It distinguishes itself from Grand Rapids by its slower bolting, less finely curled leaf edge, and slightly less volume.

### Tourbillon RZ

**HR** Bl:16-28,30,31/Nr:0/Pb | **IR** LMV:1

Tourbillon RZ is a versatile, open green Batavia. Strong against tip burn, slow bolting. High yielding.

### Partition RZ

**HR** Bl:16-31/Nr:0 | **IR** LMV:1

Partition RZ is a slightly darker Aficion type. First results show very good promise.

### Tokapie RZ

**HR** Bl:16-26,28,31/Pb | **IR** LMV:1

Tokapie RZ is a fast, compact open Batavia for production in days shorter than 13 hours. Tokapie RZ is strong against internal tip burn and easy to harvest.

### Kazova RZ

**HR** Bl:16-28,30,31/Nr:0 | **IR** LMV:1

Kazova RZ is a blond Batavia. It has smooth leaves with wavy leaf edges. Strong against bolting.



## Batavia lettuce

Batavia lettuce Red

### Louxal RZ

**HR** Bl:16-31/Nr:0 | **IR** LMV:1

Louxal RZ is a vigorous red Batavia.

## Temperate growing conditions

	Winter			Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h	
	Whole head	Whole head	2 or 3 plants per pot	Whole head	2 or 3 plants per pot
Othilie RZ	●	●	●	●	●
Aficion RZ			●		●
Tourbillon RZ		●	●	●	●
Partition RZ		●	●	●	●
Tokapie RZ	●				
Louxal RZ			●		●

## (Sub)tropical growing conditions

	Winter		Summer
	Day < 13 h	Day < 13 h	Day > 13 h
	Whole head	Whole head	Whole head
Othilie RZ	●	●	●
Tourbillon RZ	●	●	●
Partition RZ	●	●	●
Tokapie RZ	●	●	
Kazova RZ	●	●	●
Louxal RZ	●	●	●



## Butterhead lettuce

Butterhead lettuce Blond/Green

### Tahamata RZ

**HR** Bl:16-22,24,25,28-31/Nr:0/Pb

Tahamata RZ is a compact, very slow-bolting indoor Butterhead lettuce for summer production with Nasonovia resistance.

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### Jannica RZ

**HR** Bl:16-27,29,30/Pb

Jannica RZ is a compact summer indoor Butterhead lettuce. It is strong against tip burn and very slow-bolting. Slightly bigger than Tahamata RZ.

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### Rex RZ

**HR** Bl:17,18,22,24,25,28-30

Rex RZ has a larger frame than Jannica RZ. This variety is very strong and harvest-sure.

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### Flandria RZ

**HR** Bl:16,17,21,23

Flandria RZ is a standard for hydroponic cultivation. Attractive 'blond' colour. The size is slightly bigger than Rex RZ.

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### Cosmopolia RZ

**HR** Bl:16-25,27,28,30,31/Nr:0/Pb | **IR** LMV:1

Cosmopolia RZ is the main variety for large-frame Butterhead lettuces with higher weights. This variety is bigger than Flandria RZ. Used for weights between 400 and 550 grammes.

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### Sintia RZ

**HR** Bl:16-31

Sintia RZ is a summer glasshouse Butterhead variety. It has a strong colour and a very uniform and stable heading. It is very strong in terms of tip burn and bolting. The size from Sintia RZ is comparable and/or slightly larger than Cosmopolia RZ.

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### Abeba RZ

**HR** Bl:16-27,29,30/Pb

Abeba RZ is a compact indoor Butterhead lettuce for autumn, winter and spring production.

## Wiske RZ

**HR** Bl:16-30/Pb

Wiske RZ is a medium-green, medium thick-leaved glasshouse Butterhead lettuce. It has got a very strong bottom. Wiske RZ is slightly bigger than Abeba RZ.

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## Gardia RZ

**HR** Bl:16-27,29,30

Gardia RZ is a blond, medium thick-leaved glasshouse Butterhead lettuce. It has a well-filled head. Gardia RZ is very strong against tip burn and very slow-bolting. Gardia RZ has a good weight and a very nice base. Gardia RZ is larger than Wiske RZ.

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## Presteria RZ (42-116 RZ)

**HR** Bl:16-31

Presteria RZ is a large blond indoor Butterhead lettuce for early autumn and spring production in a heated glasshouse. It is comparable with Gardia RZ with a slightly larger frame.

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## Halewyn RZ

**HR** Bl:16-31

Halewyn RZ is an indoor Butterhead lettuce for autumn until spring production. Halewyn RZ forms large heavy heads. It is slow-bolting, and strong against basal rot, tip burn and glassiness. It has a nice base and gives a good box fill. End distance is ideally no more than 14 plants/m<sup>2</sup>.

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## Pazmanea RZ (42-180 RZ)

**HR** Bl:16-31/Pb

Pazmanea RZ is an indoor Butterhead lettuce for late autumn and winter production in a heated glasshouse. The size of this variety is comparable to Halewyn RZ.

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## Butterhead lettuce

Butterhead lettuce Red



## Teodore RZ

**HR** Bl:16-31

Teodore RZ is a very dark-red Butterhead lettuce for indoor production. This variety is very harvest-sure if days are shorter than 13 hours.

## Temperate growing conditions

	Winter			Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h	
		Whole head	Whole head	2 or 3 plants per pot	Whole head
Tahamata RZ				●	
Jannica RZ				●	
Rex RZ		●		●	
Flandria RZ		●		●	
Cosmopolia RZ				●	
Sintia RZ				●	
Abeba RZ	●	●			
Wiske RZ	●	●			
Gardia RZ	●	●			
Presteria RZ	●	●			
Halewyn RZ	●	●			
Pazmanea RZ	●	●			
Teodore RZ	●				

## (Sub)tropical growing conditions

	Winter		Summer	
	Day < 13 h	Day < 13 h	Day < 13 h	Day > 13 h
	Whole head	Whole head	Whole head	Whole head
Tahamata RZ			●	●
Jannica RZ			●	●
Rex RZ	●		●	●
Flandria RZ	●		●	●
Cosmopolia RZ	●		●	●
Sintia RZ			●	●
Abeba RZ	●		●	
Wiske RZ	●		●	
Gardia RZ	●		●	
Presteria RZ	●		●	
Halewyn RZ	●		●	
Pazmanea RZ	●		●	
Teodore RZ	●		●	

## Cos lettuce

Cos lettuce Blond/Green



### Rafael RZ

**HR** Bl:16-20,22,25,28-30/Fol:1/Nr:0 | **IR** LMV:1

Rafael RZ is a small Cos variety, strong against tip burn, slow bolting. Wonderfully sweet taste. Open type.

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### 41-162 RZ (t)

**HR** Bl:16,17,21,23/Nr:0 | **IR** LMV:1

41-162 RZ is a small Cos lettuce suitable for hydroponic production. It is slow-bolting and strong against tip burn. Heading type.

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### Rincon RZ

**HR** Bl:16-28,30,31/Nr:0 | **IR** LMV:1

Rincon RZ is a small Cos lettuce.

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### Ralph RZ

**HR** Bl:16-27,29,30/Nr:0 | **IR** LMV:1/Ss(Rs)

Ralph RZ is a Rincon RZ-type.

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### Maximus RZ

**HR** Bl:16-27,29,30 | **IR** Ss(Rs)

Maximus RZ is a standard, robust variety. Strong against tip burn and bolting.

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### Tiberius RZ

**HR** Fol:1

Tiberius RZ is a large green Cos, strong against tip burn.

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### 41-200 RZ (t)

**HR** Bl:16-26,28/Nr:0 | **IR** LMV:1

41-200 RZ is a very slow-bolting dark green Cos lettuce. It is also suited for hot summer conditions.

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### Gradara RZ

**HR** Bl:16-28,30,31/Fol:1/Nr:0/Pb | **IR** Ss(Rs)

Gradara RZ is an intermediate blond slow-bolting Cos. Gradara RZ is fusarium resistant.

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### Lotus RZ (41-191 RZ)

**HR** Bl:16-31/Nr:0 | **IR** LMV:1/Ss(Rs)

Lotus RZ is a dark-green Cos lettuce. It is fast-heading and filling resulting in a nice heart. Lotus RZ has a very stable shape in different conditions. Lotus RZ is slow-bolting and strong against tip burn.

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## Madelona RZ



**HR** Bl:16-31/Nr:0 | **IR** Ss(Rs)

Madelona RZ is a dark-green Open Heart Cos.

Madelona RZ is strong against bolting and tip burn.



### Cos lettuce

Cos lettuce Red

## Galatea RZ

**HR** Bl:16-28,30,31 | **IR** LMV:1

Galatea RZ is a deep-red, small Cos variety. Beautiful contrast, slow filling. For better and deeper colouring of the leaves, multiple plants per pot give the optimum result. More weight and better light penetration when the plant is not heading.

## Thurinus RZ

**HR** Bl:16-28,30,31/Nr:0/Pb | **IR** LMV:1

Thurinus RZ is a dark-red Cos lettuce. For better coloration of the leaves, more plants per pot have a deeper penetration of the light at the same weight than a single plant. When heading starts with a single plant, no more light can reach the heart.





## Temperate growing conditions

	Winter			Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h	
		Whole head	Whole head	2 or 3 plants per pot	Whole head
Rafael RZ	●*	●*	●	●*	●
41-162 RZ (t)	●	●		●	
Maximus RZ			●		●
41-200 RZ (t)			●		●
Madelona RZ			●		●
Galatea RZ			●		●
Thurinus RZ			●		●

\* Only when enough light

## (Sub)tropical growing conditions

	Winter		Summer
	Day < 13 h	Day < 13 h	Day > 13 h
	Whole head	Whole head	Whole head
Rafael RZ	●	●	●
41-162 RZ (t)	●	●	●
Rincon RZ	●	●	
Ralph RZ	●	●	●
Maximus RZ	●	●	●
Tiberius RZ	●	●	●
41-200 RZ (t)	●	●	●
Gradara RZ	●	●	●
Lotus RZ	●	●	●
Madelona RZ			
Galatea RZ	●	●	





## Gem lettuce

### Bambi RZ

Bambi RZ is a mini-Cos type with a short, dense, dark-green head. It is shorter and more uniform than Little Gem. It has a very good, sweet taste.

### Tudela RZ

**HR** Bl:16,17,21,23/Fol:1 | **IR** LMV:1

Tudela RZ is a medium-sized small baby Cos. It is slow-bolting and has a medium-green leaf colour.

### Astorga RZ

**HR** Bl:16-27,29,30 | **IR** LMV:1

Astorga RZ is a Little Gem. It is a very slow-bolting variety.

### Baeza RZ

**HR** Bl:16-26,28/Nr:0 | **IR** LMV:1

Baeza RZ is a slow-bolting Little Gem, strong against tip burn.

## (Sub)tropical growing conditions

	Winter		Summer	
	Day < 13 h		Day < 13 h	Day > 13 h
	Whole head		Whole head	Whole head
Bambi RZ	●	●	●	
Tudela RZ	●	●		
Astorga RZ	●	●	●	
Baeza RZ	●	●	●	

## Iceberg lettuce



### Bruma RZ

Bruma RZ is a slow-bolting, medium-green Iceberg lettuce. It has well-closed heads of a good size. Bruma RZ makes a nice shape in hot conditions. Strong against tip burn.

### Nomugi RZ

**HR** Fol:1

Bruma RZ type with fusarium resistance.

### Morinas RZ

**HR** Bl:16-26,28-30/Nr:0

Morinas RZ is a nice heading Iceberg lettuce. It is slow-bolting, strong against tip burn and quick to fill.

### Platinas RZ

**HR** Bl:16-23,25,31/Nr:0/Pb

Platinas RZ is a very reliable Iceberg. Slow-bolting, strong against tip burn and fast-growing.

## Temperate growing conditions

	Winter		Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h
		Whole head	Whole head	
Bruma RZ			2 or 3 plants per pot	●
Nomugi RZ				●
Morinas RZ		●		
Platinas RZ		●		

## (Sub)tropical growing conditions

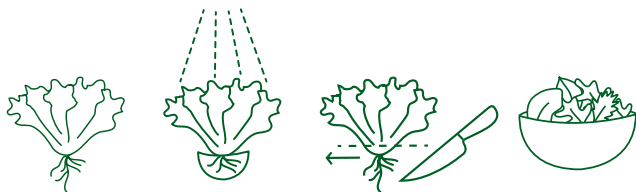
	Winter		Summer
	Day < 13 h		Day > 13 h
	Whole head	Whole head	Whole head
Bruma RZ	●	●	●
Nomugi RZ	●	●	●



Salanova® is the brand that stands for fresh, flavoursome and convenient lettuce. With just one cut at the base, a Salanova lettuce separates into tasty, ready-to-eat, evenly proportioned, baby-sized leaves. Compared to regular lettuce, Salanova leaves are not only smaller, but there are also many more of them. Salanova can be sold with the roots still on, making it a perfect fit with 'kitchen garden' concepts. Consumers can keep the plant for up to a week and pick just as many leaves as they need, whether for a sandwich or a side salad. Enjoy!



one cut, ready





Salanova®

Salanova Butter Green

## Salanova® Sartre RZ

**HR** Bl:16-26,28

Sartre RZ is a Salanova® Butter Green. Stable and very nice shape.

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## Salanova® Descartes RZ

**HR** Bl:16-31/Nr:0/Pb

Descartes RZ is a Salanova® Butter Green. Many uniform, small leaves. Lovely tender flavour. Attractive on shelf-presentation. Leaves less folded.

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## Salanova® Aquino RZ

**HR** Bl:16-31/Nr:0

Aquino RZ is a Salanova® Butter Green. A bit larger in size, very stable in hot conditions.

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## Salanova® Pascal RZ

**HR** Bl:16-31/Nr:0

Pascal RZ is a dark Salanova® Butter Green. Very strong against Haloing.

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Salanova®

Salanova Butter Red

## Salanova® Gaugin RZ

**HR** Bl:17-22,24-28,30,31

Gaugin RZ is a Salanova® Butter Red. Many uniform, small leaves. Very pretty colour contrast. Yellow-green-red in one. Lovely fresh flavour.

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## Salanova® Seurat RZ

**HR** Bl:16-31/Nr:0

Seurat RZ is a Salanova® Butter Red. A slightly bigger Gaugin type.

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## Salanova® Klee RZ

**HR** Bl:16-31/Nr:0

Klee RZ is a Salanova® Butter Red. Bigger Gaugin-type, strong against double hearts.

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## Salanova® Barlach RZ (79-246 RZ)

**HR** Bl:16-31/Nr:0

Barlach RZ is a Salanova® Butter Red. Stronger against bolting in more extreme conditions.

Salanova®

Salanova Batavia Green



## Salanova® Yacht RZ (79-504 RZ)

**HR** Bl:16-31/Nr:0 | **IR** LMV:1

Yacht RZ is a Salanova® Batavia Green. Very nice shape and fast-growing.

Salanova®

Salanova Batavia Red



## Salanova® 79-619 RZ (t)

**HR** Bl:16-31/Nr:0

79-619 RZ is a Salanova® Batavia Red. It is the first variety in this segment. It has thick leaves with a somewhat red-brownish colour. When cut, the leaves have a nice colour contrast. 79-619 RZ is slow-bolting.





## Salanova®

Salanova Oak Green

### Salanova® Cook RZ

**HR** Bl:16-31

Cook RZ is a Salanova® Oak Green. Many uniform, small leaves. Attractive, firm head. Fresh, dark green colour. Nicely-lobed leaves.

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### Salanova® Drake RZ

**HR** Bl:16-31

Drake RZ is a Salanova® Oak Green for short-day production.

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### Salanova Cousteau RZ (79-330 RZ)

**HR** Bl:16-31/Nr:0

Cousteau RZ is a Salanova® Oak Green. It is very strong and stable in more extreme conditions.

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### Salanova® Dagama RZ

**HR** Bl:16-26,28

Dagama RZ is a Salanova® Oak Green. Firm head. Fresh, dark-green colour. Nicely lobed leaves.

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### Salanova® Humboldt RZ

**HR** Bl:16-31/Nr:0 | **IR** LMV:1

Humboldt RZ is a Salanova® Oak Green, with glossy leaves. It has an upright plant. In comparison with Cook RZ it has more volume and a later heart filling. The leaves are somewhat smoother and bigger.

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## Salanova®

Salanova Oak Red

### Salanova® Xerafin RZ

**HR** Bl:16-30

Xerafin RZ is a Salanova® Oak Red. Many uniform, small leaves. Fresh, nutty flavour. Warm red colour. Nicely lobed leaves.

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### Salanova® Xandra RZ

**HR** Bl:16-31/Nr:0

Xandra RZ is a Salanova® Oak Red. It is very vigorous. Xandra RZ has a deep red colour with a nice colour contrast between red and green.

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## Salanova® Stefano RZ

**HR** Bl:16-31/Nr:0

Xerafin RZ is a Salanova® Crispy Red. The leaf shape of Stefano RZ can be described as in between oakleaf and batavia.

Salanova®

Salanova Crispy Green



## Salanova® Desirade RZ

**HR** Bl:16-30/Nr:0

Desirade RZ is a Salanova® Crispy Green. A very attractive lettuce. Great sweet taste. Deeply incised leaves. Good shelf life.

## Salanova® 79-17 RZ (t)

**HR** Bl:16-31/Nr:0

79-17 RZ is a Salanova® Crispy Green, a Desirade RZ type.

## Salanova® Exact RZ

**HR** Bl:16-28,30,31 | **IR** LMV:1

Exact RZ is a Salanova® Crispy Green. Very crunchy bite. Nicely frilled leaves. Very good shelf life. Deeply incised leaves.

## Salanova® Expertise RZ

**HR** Bl:16-31/Nr:0/Pb | **IR** LMV:1

Expertise RZ is a Salanova® Crispy Green, very strong against tip burn and bolting.

Salanova®

Salanova Crispy Red



## Salanova® Triplex RZ

**HR** Bl:16-30/Nr:0

Triplex RZ is a Salanova® Crispy Red. Very crunchy bite. Nicely frilled leaves. Very good shelf life. Deeply incised leaves.

## Salanova® Wintex RZ

**HR** Bl:16-30/Nr:0

Wintex RZ is a Salanova® Crispy Red. Wintex RZ is a faster Triplex type for shorter days.

## Salanova® Codex RZ

**HR** Bl:16-31/Nr:0 | **IR** LMV:1

Codex RZ is a Salanova® Crispy Red. Codex RZ is strong against bolting and more vigorous.



Salanova®

Salanova Lollo Red

## Salanova® Hexagon RZ

HR Bl:16-30

Hexagon RZ is a Salanova® Crispy Red. Nice 3D leaf structure. Tender flavour. Deeply incised leaves. Good shelf life.

## Salanova® 79-81 RZ (t)

HR Bl:16-31

79-81 RZ is a Salanova® Crispy Red. A faster Hexagon RZ type.

## Salanova® Bellagon RZ

HR Bl:16-26,28,31/Pb

Bellagon RZ is a Salanova® Crispy Red. This is a very vigorous type but is best grown in sunny conditions.



## Temperate growing conditions

	Winter			Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h	
		Whole head	Whole head	2 or 3 plants per pot	Whole head
Sartre RZ	●	●		●	
Descartes RZ	●	●		●	
Aquino RZ		●		●	
Pascal RZ	●	●		●	
Gauguin RZ	●	●			
Seurat RZ				●	
Klee RZ	●	●		●	
Barlach RZ	●	●		●	
Yacht RZ	●	●		●	
79-619 RZ (t)	●	●		●	
Cook RZ	●	●		●	
Drake RZ	●				
Cousteau RZ				●	
Dagama RZ	●				
Humboldt RZ	●	●	●	●	●
Xerafin RZ		●			
Xandra RZ	●	●	●	●	●
Desirade RZ	●				
79-17 RZ (t)	●				
Exact RZ		●	●	●	●
Expertise RZ		●	●	●	●
Hexagon RZ	●				
79-81 RZ (t)	●				
Triplex RZ				●	●
Wintex RZ		●	●		●
Codex RZ		●	●	●	●

## (Sub)tropical growing conditions

	Winter		Summer	
	Day < 13 h		Day < 13 h	
	Whole head	Whole head	Whole head	Day > 13 h
Sartre RZ	●	●	●	
Descartes RZ	●	●	●	
Aquino RZ	●	●		
Pascal RZ	●	●		
Gauguin RZ	●	●		
Seurat RZ	●	●		●
Klee RZ	●	●		●
Barlach RZ	●	●		●
Yacht RZ	●	●		●
79-619 RZ (t)	●	●		●
Cook RZ	●	●		●
Drake RZ	●	●		
Cousteau RZ	●			●
Dagama RZ	●	●		
Humboldt RZ	●	●		●
Xerafin RZ	●	●		
Xandra RZ	●	●		●
Stefano RZ	●	●		●
Desirade RZ	●	●		
79-17 RZ (t)	●	●		
Exact RZ	●	●		●
Expertise RZ	●	●		●
Hexagon RZ	●	●		
79-81 RZ (t)	●	●		
Triplex RZ	●	●		●
Bellagon RZ	●	●		
Wintex RZ	●	●		●
Codex RZ	●	●		





## Crunchy Cos lettuce

### Crunchita RZ

**HR** Bl:16-27,29,30/Nr:0

Crunchita RZ is a large green Cos lettuce. It has rather smooth, green leaves with an attractively thick leaf texture. The veins are slightly broad but fairly flat. Crunchita RZ is strong against tip burn and has a sweet taste.

### 41-115 RZ

**HR** Bl:16-30/Nr:0 | **IR** Ss (Rs)

41-115 RZ is a Crunchy Cos lettuce, smaller than Crunchita RZ. Strong against twisting in lower light conditions.

### Temperate growing conditions

	Winter			Summer	
	Day < 13 h	Day > 13 h (artificial light)		Day > 13 h	
	Whole head	Whole head	2 or 3 plants per pot	Whole head	2 or 3 plants per pot
Crunchita RZ	●	●	●	●	●

### (Sub)tropical growing conditions

	Winter		Summer
	Day < 13 h	Day < 13 h	Day > 13 h
	Whole head	Whole head	Whole head
Crunchita RZ	●	●	●
41-115 RZ	●	●	



Rijk Zwaan's new 'Crunchy Cos' represents a very interesting alternative to Cos or Iceberg lettuce. This innovative Cos offers the best of both worlds: its leaves are just as elongated and green as those of a normal Cos lettuce, on both the outside and the inside. In addition, they have the crisp and crunchy bite of an Iceberg lettuce, and these combined characteristics create an excellent taste experience.







# Salatrio

Salatrio contains three lettuce varieties per pot. Our carefully selected lettuce combinations grow well together and have unique visual appeal as a trio. We have developed nine special mixes which include different types for different conditions.

Please ask your local crop specialist for more information and possibilities.

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## **Temperate summer mix:**

Lollo Bionda, Lollo Rossa and Red Oak leaf  
Lugano RZ + Satine RZ + Rouxaï RZ

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## **Temperate winter mix:**

Lollo Bionda, Lollo Rossa and Red Oak leaf  
Lozano RZ + Satine RZ + Mondaï RZ

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## **Temperate winter mix (days <13 h):**

Lollo Bionda, Lollo Rossa and Red Oak leaf  
Lozano RZ + Corentine RZ + Soupiraï RZ

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## **(Sub)tropical summer mix:**

Lollo Bionda, Lollo Rossa and Red Oak leaf  
Locarno RZ + Carmolí RZ + Rouxaï RZ

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## **(Sub)tropical winter mix:**

Lollo Bionda, Lollo Rossa and Red Oak leaf  
Lozano RZ + Satine RZ + Rouxaï RZ

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## **Summer mix (extreme conditions):**

Green Batavia, Salanova® Crispy Red and Red Oak leaf  
Othilie RZ + Salanova® Codex RZ + 83-02 RZ

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## **Salanova® mix:**

Salanova® Crispy Red, Salanova® Crispy Green and Red Oak leaf  
Salanova® Codex RZ + Salanova® Expertise + 83-02 RZ

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## **Salanova® mix:**

Salanova® Crispy Red, Salanova® Oak Green and Red Oak leaf  
Salanova® Codex RZ + Salanova® Humboldt RZ + 83-02 RZ

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## **Cos mix:**

Green Cos, red Cos and Lollo Rossa  
Maximus RZ + Thurinus RZ + Carmolí RZ

# Abbreviations and resistance definitions

LMV	Lettuce Mosaic Virus Lettuce mosaic
Bl	Bremia lactucae Downy mildew
Nr	Nasonovia ribisnigri Lettuce leaf aphid
Pb	Pemphigus bursarius Lettuce root aphid
Ss (Rs)	Sphingomonas suberifaciens Corky root
Fol	Fusarium oxysporum f.sp.Lactucae Fusarium wilt

- HR** = High resistance
- IR** = Intermediate resistance
- (t) = Only trial seeds available

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 characterized 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.

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.

**Intermediate resistance (IR\*):** 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. 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 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 strains that may emerge are not covered by the original resistance claim. Immunity is when a plant is not subject to attack or infection by a specified pest.

## IBEB explanatory note

Physiological races Bl: 1-15 of *Bremia lactucae* (downy mildew) in lettuce are to the best of our knowledge no longer observed in practice in Europe nowadays. Therefore reference to the races Bl: 1-15 is no longer made in resistance claims with regard to *Bremia lactucae*. From September 1st 2014 onwards, the resistance claim of a variety refers only to Bl: 16-31.

## Disclaimer

Rijk Zwaan's descriptions, illustrations, growing advices and any other information in whatever form for example on expiry, sowing, planting and harvesting dates are based as precisely as possible on experiences in trials and in practice. However, Rijk Zwaan does not accept in any case liability for damages resulting from the use of such descriptions, illustrations, growing advices and information. The buyer/user itself is responsible for proper storage of the seeds and will be deemed to determine whether the products and growing advices are suitable to be used for the intended cultivations and under the local conditions.

Inclusion of a variety in this document does not automatically imply that such a variety is available for purposes of exploitation; it might be available for testing only.

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, expressly or implied, of crop performance.

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