



# Lettuce and Spinach



Thinking lettuce? Think Terranova

Welcome to the latest edition of our Lettuce and Spinach book where we showcase the wide range of Rijk Zwaan varieties selected for performance in New Zealand. Whilst it is satisfying to note the number of varieties that have stood the test of time and are still being used in production systems across New Zealand, being able to offer some of the most recently released varieties from Rijk Zwaan is an exciting prospect for us.

Rijk Zwaan specialises in breeding and supplying vegetable seeds for commercial, indoor and outdoor cultivation. By combining intensive collaboration with the chain and modern breeding techniques, Rijk Zwaan is able to develop varieties that match the wishes of the market and so continue to be market leaders in lettuce and spinach. Their most recent innovation has been the release of the Knox<sup>™</sup> trait in lettuce varieties which ensures that leaves discolour at a slower rate after cutting. This is the culmination of over 10 years of research and development work by Rijk Zwaan. Knox<sup>™</sup> has the potential to provide a better experience for consumers and minimise wastage across the production chain.

At Terranova Seeds we aim to have fresh seed stocks available to you for your growing success. We have been successful at this, but the challenge to stocking seeds continues to grow with the range of Rijk Zwaan varieties. In practise seed of some of the new trial varieties as well as the older varieties with lower demand may have limited availability. In these cases seed may need to be imported specifically for your requirements. We recommend that orders for these varieties are placed well ahead of the required delivery date giving us the best chance to have your seed delivered to you on time.

We take this opportunity to remind you of our summer and winter lettuce and spinach field days, held in early March and early August each year. You are always welcome to visit and view the varieties growing side by side in an outdoor environment. These events are advertised on our website www.terranovaseeds.co.nz

We wish you every success with our varieties.

Terranova Seeds



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The buyer itself is responsible for proper storage of the seeds and will be deemed to determine whether the products and growing advice are suitable to be used for the intended cultivations and under the local conditions. These pictures do not constitute any warranty, express or implied, of crop performance.

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# Batavia





# OTHILIE RZ 🐐

Blonde-green non heading Batavia. Sweet crisp and glossy leaves. Slow bolting. Performs best in summer but can be grown year round.

GREAT FOR BURGERS. RESISTANT: HR BI:16-32/Nr:0/Pb IR LMV:1/Fol:1



## PROMOTION RZ 🀐

Dark green colour. Similar to Emocion RZ but less vigorous. Best suited to summer production. Contains Knox™ trait enhancing shelf life and reducing 'pinking' or oxidation of leaf cuts.

BATAVIA WITH KNOX™. AVAILABLE FOR TRIAL. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1



## EMOCION RZ 🐐

Crunchy sweet flavour and excellent shelf life. Open plant habit with easily processed leaves ideal for burgers and sandwiches. Great vigour and frost tolerance through winter. Dark green leaves suitable for shredding. **STRONG WINTER VIGOUR**.

RESISTANT: HR: BI:16-28, 30-32/Nr:0/Pb, IR: LMV:1



# LOUXAL RZ 🐐

Triple red non heading Batavia suitable for hydro and outdoors. Sweet and crisp with an attractive blister on vibrant coloured leaves. Suitable for year round production.

BRIGHT RED COLOUR. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1

	Sprin Sumı Autu Wint
Othilie RZ	$\checkmark$ $\checkmark$ $\checkmark$
Promotion RZ	$\checkmark$ $\checkmark$ $\checkmark$
Emocion RZ	<i>✓ ✓ ✓</i>
Starfighter RZ	<i>✓ ✓ ✓</i>
Louxal RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$
	Promotion RZ Emocion RZ Starfighter RZ

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# Coral



## LORENZO RZ 🐐

A star performer with its very high uniformity. It is fast growing with strong early vigour. It needs to be managed through summer due to its fast growth rate. Avoid wet cold conditions. HIGH UNIFORMITY. FINE LEAF CURL.

**RESISTANT:** HR: BI:16-23,25,31,32/Nr:0/Pb, IR: LMV:1





# ALEPPO RZ 🐐

Mid green colour. Very strong against tip-burn and bolting. Less hearting in hot conditions. IDEAL FOR HYDRO PRODUCTION.

**RESISTANT:** HR: BI:16-27,29,30,32/Nr:0, IR: LMV:1



# LINARO RZ 饕

Dark green coral with thick leaves and good head weights. Slow bolting in summer. Open plant habit.

SLOW BOLTING IN SUMMER. RESISTANT: HR: BI:16-30,32/Nr:0, IR: LMV:1



# LANDAU (85-38) RZ 狡

Very dark green colour. Plenty of vigour growing through winter conditions. Holds well when grown through summer.

VERY DARK GREEN. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1

		Spr Sur Wit
	Lorenzo RZ	/ //
	Aleppo RZ	$\checkmark \checkmark \checkmark \checkmark \checkmark$
4	Linaro RZ	$\checkmark$ $\checkmark$ $\checkmark$
Harvest Gu Cave Cave Carn Wilb	Landau RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$
	Lungavilla RZ	$\checkmark \checkmark \checkmark \checkmark \checkmark$
	Cavernet RZ	$\checkmark$ $\checkmark$ $\checkmark$
	Carmoli RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$
	Wilbur RZ	<i>✓ ✓ ✓</i>
	Athmos RZ	/ / / /

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# LUNGAVILLA (85-44)RZ 狡

Dark green colour. Good vigour and head weights when grown through winter. Uniform leaf size. Slow bolting in summer. Strong against tip-burn. Compare with Linaro RZ.

#### WINTER VIGOUR. AVAILABLE FOR TRIAL.

RESISTANT: HR: BI:16-32/Nr:0/Pb, IR: LMV:1



## CARMOLI RZ 🐐

Triple red. Very vigorous and fast growing. The darkest triple red available. Produces a large frame. Relatively slow bolting in summer but vigorous in winter. Can be grown year round.

DARKEST TRIPLE RED. RESISTANT: HR: BI:16-23,25,31,32/Nr:0



## ATHMOS RZ 🐐

Triple red variety with strong vigour and higher number of leaves. Versatile production time frame.

TRIPLE RED WITH STRONG VIGOUR. AVAILABLE FOR TRIAL. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1



## CAVERNET RZ 🦹

Versatile double red coral. Slow bolting in summer. Good performer in spring and autumn. STRONG SUMMER PERFORMER. RESISTANT: HR: BI:16-28,30-32/Nr:0



## WILBUR RZ 🐕

Good vigour through winter in cold wet conditions. Versatile variety that can be grown year round. Relatively slow bolting in summer. Double red colour. Compliments Cavernet RZ.

#### STRONG WINTER VIGOUR.

RESISTANT: HR: BI:16-32/Nr:0

#### **PRODUCT SPECIFICATIONS**

#### PRECISION SEED

Precision seed has been subjected to additional processes. It has a uniform size and high germination.

#### PELLETING

Pelleting is defined as the process of changing the seed form by covering it with a material, the main purpose being to improve uniformity of size and shape resulting in improved sowing ability. Also additional ingredients may be added.

#### LETTUCE

Butterhead, batavia, iceberg, cos - pellets: germ: 95%

- variety purity: 98%

### OTHER TYPES

pellets: germ: 95%variety purity: 95%

#### SPINACH

- precision seed: germ: 85%

# Oakleaf





Excellent vigour and disease resistance through winter. Strong against tip-burn in the summer. Solid heads with attractive presentation.

VIGOROUS VARIETY WITH STRONG DISEASE RESISTANCE. RESISTANT: HR: BI:16-31/Nr:0, IR: LMV:1



KIBRILLE RZ 🏆

Large framed late heading type with a low centre or core. Good vigour through winter. Suitable for processing.

STRONG VIGOUR IN WINTER. RESISTANT: HR: Bl:16-31/Nr:0 IR:LMV:1



KIREVE RZ 🐐

Very large dark green glossy heads for outdoor production. Very fast growing but slow bolting. Flat heads with deep set growing point. Can be susceptible to Big Vein in cold conditions.

### DARK GREEN GLOSSY HEAD.

RESISTANT: HR: BI:16-26,28,31,32/Nr:0/Pb, IR: LMV:1



Slow bolting in summer and very strong against tip-burn. Thick leaves.

SLOW BOLTING IN SUMMER. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1

	Spri Sun Auti Wir
Kiribati RZ	<i>✓ ✓ ✓</i>
Kibrille RZ	J J J
Kireve RZ	J J J
Kirinia RZ	11
Rouxai RZ	J J J
Prunai RZ	<i>J J J J</i>
Sirmai RZ	<i>」 」 」 」</i>
Humboldt RZ	/ //
Cousteau RZ	J J J
Xandra RZ	J J J
Kipling RZ	J J
	Kibrille RZ Kireve RZ Kirinia RZ Rouxai RZ Prunai RZ Sirmai RZ Humboldt RZ Cousteau RZ Xandra RZ

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# ROUXAI RZ 💱

Brilliant dark cherry red colour. Also red on the underside of leaves. Small leaf size which can be used for processing. Small compact plant habit. Better suited to warm conditions.

BRILLIANT GLOSSY RED COLOUR. RESISTANT: HR: BI:16-30,32/Nr:0



## PRUNAI RZ 🎆

Triple red oak with good speed of growth. Compact plant structure with good head weights. Dense heads.

#### VERSATILE FOR YEAR ROUND HARVEST.

RESISTANT: HR: Bl:16-30,32/Nr:0/Pb, IR: LMV:1



## SIRMAI RZ 🧖

A very reliable and well proven variety. Vigorous grower with a large frame and bright red colour. Versatile variety that can be grown year round.

#### VERSATILE FOR YEAR ROUND HARVEST. RESISTANT: HR: BI:16-23,25,31,32/Nr:0/Pb



# HUMBOLDT RZ 🐐 Salanova

Exciting new multi-leaf green oakleaf with smaller leaves which are ideal for processing. Dark green glossy colour. Good yield potential. Strong vigour for winter production.

SMALL INDIVIDUAL OAK LEAVES.





## XANDRA RZ 🐕 Salanova

Red multi-leaf oak with a vibrant red and green colour contrast. Shows significant yield improvemnts over previous varieties of this type. Also includes Nasonovia aphid resistance.

SMALL INDIVIDUAL OAK LEAVES. RESISTANT:HR: BI:16-32/Nr:0

# Cos



# CHICARITA RZ 🐐

Chicarita is a mini crunchy cos which presents a very interesting alternative to cos and iceberg. This innovative cos offers the best of both worlds. Its leaves are elongated and green as a normal mini cos both on the outside and inside and they have the crisp and crunchy bite of an iceberg.

MINI CRUNCHY COS - SUMMER. RESISTANT: HR: BI:17,18,22,24,25,28-30/Fol:1/Nr:0, IR: LMV:1



Higher leaf count than Chicarita and more vigour through winter. MINI CRUNCHY COS - WINTER. AVAILABLE FOR TRIAL. RESISTANT: HR: BI:16-20,22-25,28-30/FoI:1/Nr:0



CRUNCHITA RZ 🦹

Crunchita RZ is a crunchy cos with a great combination of sweet taste and crunchy texture. It produces a medium sized plant with mid green colour. It is strong against tip-burn.

CRUNCHY COS FOR PROCESSING. AVAILABLE FOR TRIAL. RESISTANT: HR BI:16-27,29,30,32/Nr:0



## **BLANES RZ**

Baby cos with 'sweet gem' hearts. Good shape and weight, with glossy leaves. SWEET GEM. RESISTANT: HR: BI:16-26,28,32 IR: LMV:1



ROSAINE RZ 🏆

Red mini cos similar head height to Rafael. Triple red and bright green colour. Holds dark colour well through summer. Leaves are savoyed but separate easily for processing.

RED SWEET GEM. RESISTANT: HR: BI:16-26,28,31,32/Nr:0/Pb

_		Sprit Sum Autu Wint
	Chicarita RZ	$\checkmark$ $\checkmark$ $\checkmark$
	41-655 RZ	$\checkmark \checkmark \checkmark \checkmark \checkmark$
	Chrunchita RZ	<i>s s s</i>
	Blanes RZ	$\checkmark$ $\checkmark$ $\checkmark$
<u>e</u>	Rosaine RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$
Guid	Madelona RZ	$\checkmark$ $\checkmark$ $\checkmark$
sst (	Patrona RZ	$\checkmark$ $\checkmark$ $\checkmark$
41-514 RZ Salvius RZ	41-514 RZ	$\checkmark$ $\checkmark$ $\checkmark$
	Salvius RZ	√ √
	Rafael RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$
	Requena RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$
	Quintus RZ	$\checkmark$ $\checkmark$ $\checkmark$
	Ralph RZ	$\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$

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## MADELONA RZ 🦹

A productive cos for warmer periods. Solid stems give longer shelf life when processing. Strong against tip-burn as are the other open hearted cos. Very high recovery of high quality leaves. A dual purpose variety that can be processed or sold as fresh whole heads.

#### LARGE OPEN HEARTED COS - SUMMER.

RESISTANT: HR: BI:16-32/Nr:0 IR Ss(Rs)



Solid stem cos with the Knox™ trait for extended shelf life. Similar head size to Madelona RZ.

LARGE OPEN HEARTED COS - WITH KNOX™ RESISTANT: HR: BI:17-26,28,32/Nr:0



## RAFAEL RZ 🦹

Small cos for whole leaf processing. Leaves are easy to separate. Dark green colour. Good shelf life. Very slow bolting.

MINI COS - LEAVES. RESISTANT: HR: Bl:16-20,22-25,28-30,32/Fol:1/Nr:0, IR: LMV:1



## QUINTUS RZ 🀐

A dark green midi cos type. Slow bolting in summer and strong against tip-burn. Can be grown year round in most areas.

DARK GREEN GLOSSY LEAVES.

RESISTANT: HR: Bl:16-20,22-25,28-30,32/Fol:1/Nr:0, IR: LMV:1





## PATRONA RZ 🐐

Excellent winter vigour. Solid mid ribs with high recovery and longer shelf life when processing. Open hearted plant type which is slow to get tip-burn.

LARGE OPEN HEARTED COS - WINTER. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1



SALVIUS RZ 🏆

Large dark green cos for cool season harvest. Excellent disease resistance and vigour through winter.

#### MINI COS - HEARTS.

RESISTANT: HR: BI:16-26,28,32/Nr:0, IR: Ss (Rs)



## REQUENA RZ 🏆

Dark green glossy mini cos with attractive blistered leaf. Can be harvested for leaves or whole heads. Torpedo shaped hearts, strong against bolting.

MINI COS - LEAVES OR HEARTS. RESISTANT: HR: BI:16-30,32/Nr:0, IR: LMV:1



## RALPH RZ 狡

Mini cos with dark green colour and a broad base. Excellent vigour for mid-winter harvest. Slow bolting. Suitable for mini cos hearts.

MID - WINTER VIGOUR. GREAT FLAVOUR. RESISTANT: HR: BI:16-27,29,30,32/Nr:0, IR LMV:I Ss (Rs)

# Salanova - Incised



# EXFILES RZ 🎋 Salanova

Green crisp leaves with deep incision and good colour penetration. Rounded mid rib with very small leaf scar. Extra high yielding variety suitable for year round production. Leaf tips similar in appearance to Excite RZ and Telex RZ.

EXCEPTIONAL YIELDS YEAR ROUND. RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1





# EXAM (79-10) RZ 撯 Salanova

Dark green crispy type with deeply incised leaves and rounded leaf stems. Contains the Knox™ trait giving the benefit of longer shelf life and slower leaf break down. Excellent winter yields.

EXTRA LONG SHELF LIFE. AVAILABLE FOR TRIAL. RESISTANT: HR BI:16-32/Nr:0 IR LMV:1



# EXPONENT RZ 饕 Salanova

Dark green crispy type with excellent yields. Similar leaf style to Expedition RZ with flatter mid rib. More compact heads with better field holding and higher yield. Suitable for year round production.

HIGH YIELD OF HIGH QUALITY LEAVES. RESISTANT: HR BI:16-32/Nr:0 IR LMV:1

# EXPEDITION RZ 🀕 Salanova

Dark green frisee type with exceptional yield potential year round. Strong vigour and disease resistance in wet cold conditions. Proven performance over many years.

HIGH YIELDS IN WINTER. RESISTANT: HR: BI:16-28,30-32/Nr:0 IR:LMV:1

		Sprii	Sum	Autu	Wint
	Exfiles RZ	1	1	1	<
	Exam (79-10) RZ	1	1	1	<
	Exponent RZ	✓	✓	✓	<
	Expedition RZ	✓		1	<
	Expertise RZ	<	1	✓	
	Explore RZ		✓	✓	✓
a	Excite RZ	✓	1	1	
lng	Vilar (79-00) RZ	✓	✓	✓	✓
vest	Telex RZ	✓	✓	✓	✓
ar	Vidotex (79-62) RZ	✓	✓	✓	✓
Т	Duplex RZ	✓	✓	✓	
	Wintex RZ	✓	✓	✓	
	Stefano RZ	1	1	1	~
	Codex RZ	1	1	1	<
	Polygon RZ	1	1	1	1

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## EXPERTISE RZ **Salanova**

More compact Expedition type with dark green leaves. Shorter stem leaves with less stretching in summer.

IDEAL FOR HYDROPONICS.

RESISTANT: HR BI:16-32/Nr:0/Pb IR LMV:1



### TELEX RZ 🏆 Salanova

A red crispy type with excellent vigour and yield potential. It has good flavour and excellent shelf life. The plant habit is more upright with less basal rots through winter. It has a full disease resistance package.

#### HIGH YIELD POTENTIAL.

RESISTANT: HR: BI: 16-32/Nr:0/Pb IR:LMV:1



### DUPLEX RZ 🀕 Salanova

Red crispy type with deeply incised leaves with green and red colour ideal for processing. Sweet crispy flavour with good shelf life.

DOUBLE RED CRISPY TYPE. RESISTANT: HR: BI:16-28,30-32/Nr:0



### CODEX RZ 🀕 Salanova

Dark red crisp leaves with excellent depth and contrast of colour. A versatile leaf that can be used as a red crisp or a red coral. Suitable for whole head production in hydroponics or for outdoor salad mix production. Good vigour for year round production.

TRIPLE RED COLOUR. RESISTANT: HR BI:16-32/Nr:0 IR LMV:1



Incised light green coral type with high yield potential. High number of leaves with small stem scar. Nice "<sup>3</sup>D" leaf shape creating good volume in the bag. Replaces Vicinity RZ.

COMPACT PLANT HABIT. AVAILABLE FOR TRIAL. RESISTANT: HR BI:16-32/Nr:0 IR LMV:1



# VIDOTEX (79-62) 🍄 Salanova

Vigorous double red crispy type with contrasting green colour lower on the leaf. High yield potential. Similar in appearance to Telex with spiky leaf margin. Good vigour through winter.

WINTER VIGOUR AND HIGH YIELD. AVAILABLE FOR TRIAL. RESISTANT: HR BI:16-32/Nr:0



## STEFANO RZ 🐕 Salanova

A unique new dark red Salanova with deeply incised leaves but broad leaflets more like an oak leaf. Very narrow stems with small stem scars. Bright dark red colour.

UNIQUE LEAF SHAPE. RESISTANT: HR: BI:16-32/Nr:0



## POLYGON RZ 🐐 Salanova

Dark cherry red coral style leaves. Nice colour contrast between red and green. Large frame, clean base and high recovery when processing for salad mixes. Suitable for year round production.

CHERRY RED CORAL STYLE. RESISTANT: HR BI:16-32/Nr:0 IR LMV:1

# Salanova - Multileaf



# KLEE 🏠 Salanova

Very versatile variety, suitable for year round production. More vigorous in winter and slower bolting in summer. With Nasonovia aphid resistance. A must for salad mixes.

EXCELLENT SIZE AND VIGOUR. RESISTANT: HR: BI:16-32/Nr:0



# PASCAL RZ 🍄 Salanova

Dark green butter type with good vigour and yield potential. More upright plant habit for winter production. Great flavour. Processes well with less bruising.

DARK GREEN COLOUR. RESISTANT: HR: BI:16-32/Nr:0

ERASMUS RZ

on leaves for trimming.

LOW CORE FOR PROCESSING.

RESISTANT: HR: BI:16-32/Nr:0

# HUMBOLDT RZ 🀕 Salanova

Humboldt RZ is a glossy green oak leaf type with small leaf size ideal for processing for salad mixes. Frame size and head weights are larger than previous multi-leaf oaks. Heads can be suitable for selling whole to the fresh market. Performs best in autumn, winter and spring but can be grown all year round.

#### STRONG WINTER VIGOUR.

RESISTANT: HR: BI:16-32/Nr:0, IR: LMV:1

Image on page 5

# COUSTEAU RZ <sup>2</sup> Salanova

Green oak for outdoor summer production or for hydroponics. EXCELLENT SIZE AND VIGOUR. AVAILABLE FOR TRIAL. RESISTANT: HR: BI:16-32/Nr:0

Salanova

Versatile variety with good vigour through winter and slow bolting

through summer. Low core for easier processing. Good stem length

# XANDRA RZ 🍄 Salanova

Exciting red oakleaf with vibrant red and green colour contrast. Significant yield improvement over previous selections. With Nasonovia aphid resistance.

RESISTANT: HR: BI:16-32/Nr:0

Image on page 5



BOBAL RZ **Salanova** Red Bativia type with slightly savoyed leaf. Similar yields to the

Red Bativia type with slightly savoyed leaf. Similar yields to the red butter types. Good flavour.

EXCELLENT SIZE AND VIGOUR. AVAILABLE FOR TRIAL. RESISTANT: HR: BI:16-32/Nr:0



# Crisphead



# TOSCANAS RZ 🐐

Heat tolerant variety for mid-summer harvest. Dark green colour. Very large frame with broad leaves.

HEAT TOLERANT FOR MID-SUMMER. RESISTANT: HR: BI:16-23,25,31,32/Nr:0/Pb

# ALBANAS RZ 🀐

Large framed, well shaped and very uniform iceberg. Strong leaves with good colour. Very versatile in New Zealand conditions. **VERY UNIFORM HARVEST.** 

**RESISTANT:** HR: BI:16-26,28,31,32/Nr:0/Pb, IR: LMV:1

GITANAS RZ 🀐

Large framed vigorous variety best suited to spring harvest. Well layered heads are suitable for processing with high recovery.

SPRING HARVEST. RESISTANT: HR: BI:16,21,23,32/Nr:0

# ALPINAS RZ 🦹

Dark green glossy leaves. Best suited to autumn harvest and follows on from Albanas in late spring.

GLOSSY DARK GREEN COLOUR. RESISTANT: HR: BI:16-23,25,31,32/Nr:0/Pb

# SIBERINAS RZ 🐐

Vigorous variety for spring harvest. Large frame and head size. Well layered leaf structure suitable for processing. Wider downy mildew resistance than Gitanas RZ.

STRONG VIGOUR FOR SPRING HARVEST. RESISTANT: HR: BI:16-26,28,31,32/Nr:0/Pb

# Butterhead

### **FABIETTO RZ**

Winter butterhead with good vigour. Heads are large sized and nicely closed. Medium green colour.

WINTER VIGOUR. RESISTANT: HR: BI:16-22,24,25,28-32/Nr:0/Pb IR: LMV:1



	Spring	Summe Autumr Winter
Albanas RZ	1	1
Toscanas RZ		1
Gitanas RZ	1	
Alpinas RZ	1	1
Siberinas RZ	$\checkmark$	1
Fabietto RZ	1	1
Faustina RZ		<i>s s</i>
	Toscanas RZ Gitanas RZ Alpinas RZ Siberinas RZ Fabietto RZ	Albanas RZ✓Toscanas RZ✓Gitanas RZ✓Alpinas RZ✓Siberinas RZ✓Fabietto RZ✓

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## **FAUSTINA RZ**

Glossy green butterhead best suited to summer. Can be grown outdoors or in hydro.

SUMMER BUTTERHEAD. RESISTANT: HR: BI:16,17,21,23,32/Nr:0, IR: LMV:1

# Spinach



### **KOOKABURRA RZ**

Dark green colour with some savoy and gloss. Best suited to summer and autumn harvest. Tough oval to oblong shaped leaf. **SUMMER AND AUTUMN HARVEST**.

RESISTANT: HR: Pfs:1-13, 15



## **TOUCAN RZ**

Slow growing variety for summer production. Dark green round leaves with good leaf thickness. Slow bolting.

MID-SUMMER HARVEST. RESISTANT: HR: Pfs:1-13, 15, 16



## PLATYPUS RZ

Thick broad leaf with slight savoy. Oval to slightly pointed leaf. Fast growing and vigorous through winter.

HIGH YIELD. RESISTANT: HR: Pfs:1-15



### DONKEY RZ

Semi savoy type with good heat tolerance. Thick leaf with dark green colour and oval shape. Strong leaf less subject to bruising during processing and very good shelf life.

#### THICK LEAF WITH DARK COLOUR.

RESISTANT: HR: Pfs:1-11,13,15,16



### **MANATEE RZ**

Very dark green fast growing variety for winter production. Oval shape leaf. Can be grown for baby-leaf or bunching. **WINTER VIGOUR**.

**RESISTANT:** HR: Pfs:1-12.14



## **RACOON RZ**

Very upright plant habit. Thick dark green leaves giving good yield and shelf life. Leaves process well with less bruising. Best suited to winter and early spring.

#### DARK GREEN WITH UPRIGHT HABIT.

RESISTANT: HR: Pfs:1-12,14,15

		Spring Summer Autumn Winter
	Kookaburra RZ	<i>s s</i>
	Donkey RZ	<i>s s</i>
	Toucan RZ	<i>s s</i>
i i i	Manatee RZ	/ /
	Platypus RZ	/ //
vesi	Racoon RZ	/ /
Har	Red Kitten RZ	<i>s s</i>
	Barundi RZ	<i>✓ ✓ ✓ ✓</i>
	Korbi RZ	<i>✓ ✓ ✓ ✓</i>
	Charlie RZ	<i>✓ ✓ ✓</i>



# RED KITTEN RZ

Red vein spinach best suited to warmer growing conditions. Glossy leaf colour with rounded shape. Slow bolting.

SLOW BOLTING.

RESISTANT: HR: Pfs:1-13,15

# Terranova s e e d s

# Endive



### **BARUNDI RZ**

Medium size 'fine frisée' type with a well developed heart and a very fine curl. Harvest year round. Excellent for salad mixes.

# Swiss Chard



### **CHARLIE RZ**

Fast growing vigorous, red veined hybrid Swiss Chard. Excellent performance through winter when OP varieties struggle. Upright plant habit for easy mechanical harvest. Good contrast between green and red colour.

## **RESISTANCE: DEFINITION OF THE TERMS**

Describing the reaction of plants to pest or pathogens for the vegetable seed industry as adopted by the International Seed Federation (May 2005)

#### 1. PREAMBLE

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.

#### 2. DEFINITIONS

Immunity: Not subject to attack or infection by a specified pest or pathogen. Resistance is the ability of a plant variety to restrict the growth and development of a specified pest or pathogen an / 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.

As to resistance codes, Rijk Zwaan would like to add the following:

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.

RESISTANCY CODES FOR PEST ORGANISMS			
Сгор	Abbreviation	Scientific Names	English Common Name
	Ss	Sphingomonas suberifaciens	Corky root
Lettuce/Lactuca sativa	BI	Bremia lactucae	Downy mildew
	Nr	Nasonovia ribisnigri	Lettuce leaf aphid
	Pb	Pemphigus bursarius	Lettuce root aphid
	LMV	Lettuce mosaic poly virus	Lettuce mosaic virus
	Fol	Fusarium oxysporum f. sp lactucum	Fusarium wilt
Spinach/Spinacia oleracea	Pfs	Peronospora farinosa f. sp, spinaciae	Downy mildew

Conventional variety

> Fresher Lettuce thanks to KNOX<sup>™</sup>

Knox<sup>™</sup> is a trait in lettuce varieties that ensures that leaves discolour at a slower rate after cutting and is the culmination of over 10 years of research and development work by Rijk Zwaan.

KNOX"

Knox has the potential to provide a better salad experience to consumers, and minimise wastage across the production chain.

To discuss the new range of Knox varieties contact your local Sales Representative.



# Sharing a healthy future