

Lettuce & Spinach

November 2009



RIJK ZWAAN
World leaders in
Lettuce and
Spinach Breeding

Distributed throughout New Zealand by

Terranova
SEEDS

Thinking lettuces? Think **Terranova**

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ABBREVIATIONS

BI - *Bremia lactuca* (downy mildew in lettuce)

CMV - Cucumber Mosaic Virus

F1 - Hybrid first generation

HR - High Resistance

IR - Intermediate resistance

LMV - Lettuce Mosaic Virus

Nr - *Nasonovia ribisnigri* aphid resistant

Pfs - *Peronospora farinosa* (downy mildew in spinach)

PACK SIZES

Lettuce SP - Split Pill 1,000 pill bottle and 5,000 pill tins

NS - Normal seed 100,000 seed foils

Spinach -25,000 seed, 100,000 seed, 1 million seed

Baby-leaf brassica and beets - 500g tins, 10kg bags



DISCLAIMER: All cultural information and recommendations are provided as a guide only. Local environmental conditions or growing practices adopted may influence varietal performance. No liability will be accepted by Terranova Seeds Ltd, or their representatives as to the accuracy of the information provided.

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Nasonovia Aphid Resistant Variety

Green Coral Types

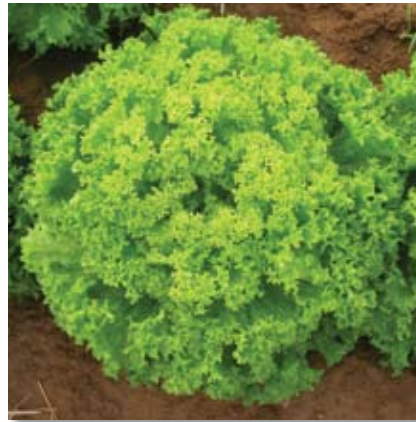


Lorenzo RZ

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.

Dark green colour and tight leaf curl.

Resistant: HR:BI:1-23,25/Nr:0 IR:LMV



Livigna RZ

Dark green coral with greater bolting tolerance than Lorenzo. More compact habit than Lorenzo but not as fine a leaf curl. Similar in appearance to Levistro but Nasonovia aphid resistant.

Slower bolting in summer and autumn.

Resistant: HR:BI:1-25/Nr:0 IR:LMV

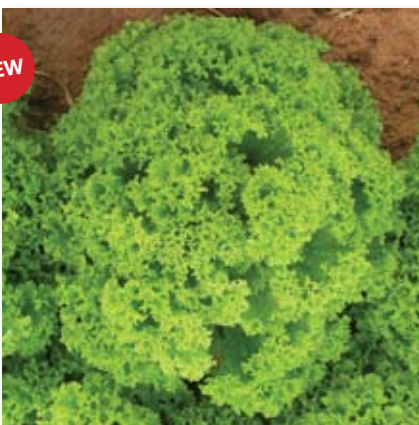


Vivanto RZ *Salanovi*

Previously called Victoire but due to EU regulations the name had to be changed. Salanova® type with Nasonovia aphid resistance. Dark green colour with a narrow leaf and upright habit.

Ideal for processing.

Resistant: HR:BI:1-26/Nr:0 IR:LMV

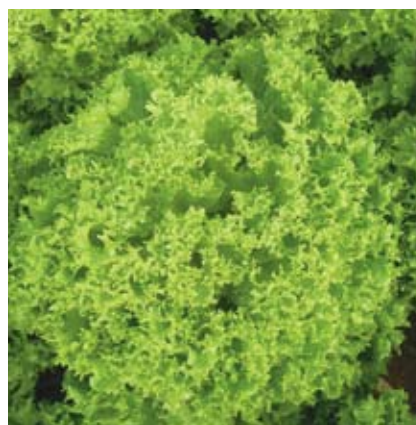


Licato RZ

New improved Lorenzo type with wider downy mildew resistance. Fast growing vigorous variety suitable for autumn, winter, spring and early summer. Very similar in appearance and speed of growth to Lorenzo.

Improved downy mildew resistance.

Resistant: HR:BI:1-26/Nr:0 IR:LMV



Levistro RZ

Dark green coral with thick leaves. Suitable for year round production. Slower bolting than Lorenzo but not Nasonovia aphid resistant.

Relatively slow bolting.

Resistant: HR:BI:1-23,25 IR:LMV



Aleppo RZ

Mid green colour to compare with Locarno. Very strong against tip-burn. Less hearting and greater vigour than Locarno.

Locarno replacement with Nasonovia aphid resistance.

Resistant: HR:BI:1-25/Nr:0 IR:LMV

Available for trial: **85-14 to compare with Levistro**

Harvest Guide	Spring	Summer	Autumn	Winter
Outdoor:	Vivanto	Vivanto	Vivanto	Vivanto
Indoor / Outdoor:	Lorenzo / Licato	Lorenzo / Licato	Lorenzo / Licato	Lorenzo / Licato
	Livigna/Levistro	Livigna/Levistro	Livigna/Levistro	Livigna/Levistro
	Aleppo	Aleppo	Aleppo	Aleppo

Red Coral Types



Carmesi RZ 

Triple red with good winter vigour. More head weight but smaller leaf size than Carmoli. Slower bolting in summer. A shade lighter red than Carmoli but still very dark red.

Strong vigour in winter

Resistant: HR:Bl:1-26/Nr:0



Nation RZ 

Double red variety that is very slow bolting in summer. Good vigour and speed of growth producing good head weights. Best suited to spring, summer and autumn.

Slow bolting in summer.

Resistant: HR:Bl:1-20, 22-24/Nr:0



Obregon RZ *Salanova* 

Salanova® type with green and red deeply cut or incised leaves. Ideal for processing and for salad mixes. High number of leaves with good colour contrast.

Ideal for processing.

Resistant: HR:Bl:1-25/Nr:0 IR:LMV



Carmoli RZ 

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

Vigorous grower, in spite of the dark red colour.

Resistant: HR:Bl:1-23, 25/Nr:0



Cavernet RZ (85-62) 

AVAILABLE FOR TRIAL

New double red variety to compare with Nation. Wider downy mildew resistance. Good plant vigour but slow bolting.

Good vigour in summer.

Resistant: HR:Bl:1-26/Nr:0



Anthony RZ

Double red vigorous variety with large frame. Best suited to autumn, winter and spring harvest. Compliments Nation for a year round production programme.

Good vigour for winter production.

Resistant: HR:Bl:1-16, 21, 23

Harvest Guide	Spring	Summer	Autumn	Winter
Indoor / Outdoor:	Carmesi/Carmoli	Carmesi/Carmoli	Carmesi/Carmoli	Carmesi/Carmoli
	Anthony		Anthony	Anthony
	Nation/Cavernet	Nation/Cavernet	Nation/Cavernet	
	Obregon	Obregon	Obregon	Obregon

Green Oak Types



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:Bl:1-26/Nr:0 IR:LMV



Kibrille RZ

Large framed variety with good winter vigour. Replaces Krizet. Attractive dark green colour.

Strong in winter.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



Kipling RZ

Medium sized heads with a compact plant habit and smaller leaf size. Slow bolting in summers with good resistance to tip-burn. Attractive dark green colour.

Slow bolting medium size heads.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



Kibou RZ

Compact variety with upright habit, good ground clearance and less basal rots. Bright green colour. Well adapted to hydroponics.

Well adapted to hydroponics.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



83-30 RZ

AVAILABLE FOR TRIAL

Winter green oak with dark leaf colour. Compact habit with dense heads.

Dense heads

Resistant: HR:Bl:1-26/Nr:0 IR:LMV

Harvest Guide	Spring	Summer	Autumn	Winter
Outdoor:	Kireve/Kibrille	Kireve / Kibrille	Kireve / Kibrille	Kibrille
Indoor / Outdoor:	Kipling	Kipling	Kipling	
	Kibou		Kibou/83-30	Kibou/83-30

Red Oak Types



Sirmai RZ 🌱

Vigorous grower with large frame and bright red glossy leaves. Versatile variety that can be grown year round.

Large glossy red oak for year round production.

Resistant: HR:Bl:1-23, 25/Nr:0



Cazarai RZ 🌱

Triple red oak with thick leaves and good shelf life. Smaller leaf size. Good colour contrast between red and green.

Small leaf size.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



Anikai RZ 🌱

Vigorous large double red variety best suited to outdoor production. Good speed of growth through winter. Slow bolting in summer.

Vigorous double red variety.

Resistant: HR:Bl:1-25/Nr:0 IR:LMV



Murai RZ 🌱

Slow bolting and compact habit with good density and high head weights. Thick leaves with bright red colour. Versatile reliable variety. Best suited to spring, summer and autumn harvest.

Compact reliable summer variety.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



Prunai RZ 🌱

AVAILABLE FOR TRIAL

Triple red oak with good speed of growth. Compact plant structure with good head weights. Trial in autumn, winter and spring.

Winter vigour.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



Fiansai RZ 🌱

AVAILABLE FOR TRIAL

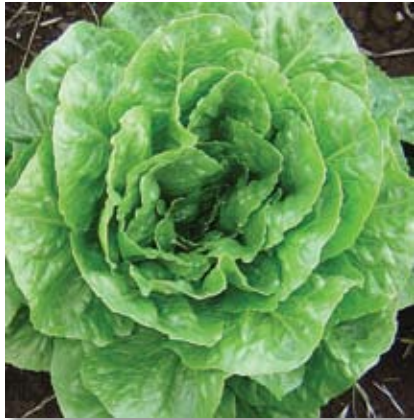
Double red oak to compare with Anikai. More attractive colour than Anikai but not as dark as Sirmai. Suitable for year round production. Suits hydroponics.

Attractive double red colour.

Resistant: HR:Bl:1-26/Nr:0

Harvest Guide	Spring	Summer	Autumn	Winter
Outdoor:	Sirmai / Anikai	Sirmai / Anikai	Sirmai / Anikai	Sirmai / Anikai
Indoor / Outdoor:	Murai / Cazarai	Murai / Cazarai	Murai / Cazarai	Cazarai
	Prunai		Prunai	Prunai
	Fiansai	Fiansai	Fiansai	Fiansai

Cos Types

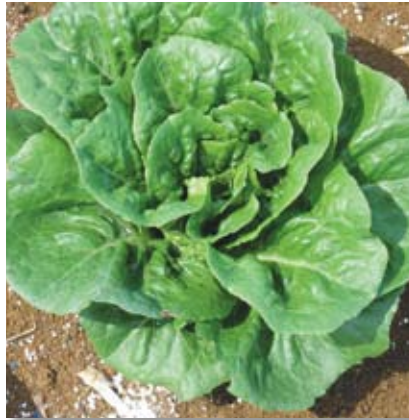


Claudius RZ

Midi cos slightly taller than Amadeus and darker green. Slower bolting with improved tip-burn resistance through summer. Very uniform leaf size. Suitable for indoor and outdoor production.

Dark green midi cos.

Resistant: HR:BI:1-26 IR:LMV



Casius RZ

Mini cos with Nasonovia aphid resistance, suitable for year round production. Dark green crisp leaves with slight blister. Does not form a heart. High leaf count ideal for salad mixes.

Only available as Normal Seed in 100,000 seed packs.

Resistant: HR:BI:1-26/Nr:0



Actarus RZ

AVAILABLE ON INDENT

Open heading type. Broad base. Ideal for bagging. Uniform leaf length. Solid veins with less browning. Dark green leaves. Very high recovery rates when processed.

Ideal for sleeves.

Resistant: HR:BI:1-26 IR:LMV



Quintus RZ

A medium size cos. A real winner for the summer period with strengths in size, shape, weight, adaptability and is suited for whole head sleeve and processing.

Dark glossy green.

Resistant: HR:BI:1-20, 22-25/Nr:0



41-116 RZ

Mini cos with open plant habit. Suitable for leaf production or mini hearts. Similar in appearance to Junior but with nasonovia aphid resistance. Dark green leaves which separate easily.

Mini cos for leaf production.

Resistant: HR:BI:1-20, 22-25/Nr:0



Avidius RZ

AVAILABLE ON INDENT

Ideal for processing for Caesar salads. Very high recoveries. Solid mid ribs with less browning. Slow bolting. Suitable for year round production.

Caesar Salads

Resistant: HR:BI:1-26/IR:LMV

Also available **Marcellus, Remus, Amadeus, Maximus (indent only)**

Harvest Guide	Spring	Summer	Autumn	Winter
Outdoor:	Marcellus	Maximus	Maximus /Marcellus	Remus
	Actarus / Avidius	Actarus / Avidius	Actarus / Avidius	Actarus / Avidius
Indoor / Outdoor:	Claudius/ 41-116/Quintus	Claudius/ 41-116/Quintus	Claudius/ 41-116/Quintus	Claudius/ 41-116/Quintus

Salanova®



NEW

Explore RZ (79-80) 🌱

A brand new leaf type combining a sweet, crisp taste with yield and extra shelf life. A new dimension to salad mixes.

High yields with good flavour.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



Obregon RZ 🌱

Salanova® type with green and red deeply cut or incised leaves. Ideal for processing and for salad mixes. A high number of leaves with good colour contrast.

Ideal for processing.

Resistant: HR:Bl:1-25/Nr:0



Jadigon RZ (79-61) 🌱

AVAILABLE FOR TRIAL

Salanova® type to compare with Obregon. Good plant vigour with the potential to produce higher yields.

High yields.

Resistant: HR:Bl:1-26/Nr:0



NEW

Expedition RZ (79-88) 🌱

A dark green version of Explore. High yields and great taste.

Dark green colour.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV



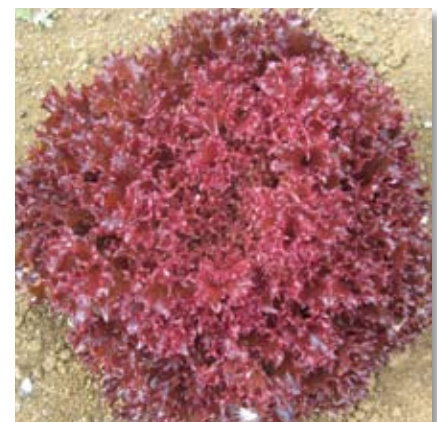
Teragon RZ 🌱

AVAILABLE FOR TRIAL

Salanova® type to compare with Obregon. More upright plant habit and smaller leaf scar when processing. Higher yield potential.

High leaf quality.

Resistant: HR:Bl:1-25/Nr:0 IR:LMV



Bellagon RZ

AVAILABLE FOR TRIAL

Dark red colour with deeply incised leaves. Different leaf shape to Obregon and darker red colour. Spiky leaf margin. Very small leaf scar when processed.

Ideal for processing.

Resistant: HR:Bl:1-26

Also available **Vivanto RZ, Saigon RZ**

Harvest Guide	Spring	Summer	Autumn	Winter
Outdoor:	Obregon/Teragon	Obregon/Teragon	Obregon/Teragon	Obregon
	Jadigon	Jadigon/Bellagon	Jadigon/Bellagon	Jadigon/Bellagon
	Explore/Expedition	Explore/Expedition	Explore/Expedition	Explore/Expedition

Salanova® Multileaf



Gaugin RZ *Salanova*★

Salanova® "Multileaf" dark red butterhead with a very high number of small leaves. Slower bolting in summer than Renoir and more vigorous in winter. Darker red in colour. Suitable for year round production.

Good vigour.

Resistant: HR:BI:1-15, 17-22, 24-26



Sartre RZ *Salanova*★

Salanova® "Multileaf" green butterhead with a very high number of small leaves. Suitable for year round production.

Full downy mildew resistance.

Resistant: HR:BI:1-26



Xavier RZ *Salanova*★

Salanova® Multileaf double red oak with a very high number of small leaves. Good vigour and size. Very slow bolting. Very good shelf life.

Very good shelf life.

Resistant: HR:BI:1-26



Renoir RZ *Salanova*★

Salanova® "Multileaf" red butter with a very high number of small leaves. More cherry red than Gaugin. Suitable for year round production.

Cherry red colour.

Resistant: HR:BI:1-26



Dagama *Salanova*★

Salanova® "Multileaf" green oak type. Numerous leaves of similar size and shape. Dark green.

Attractive leaf shape

Resistant: HR:BI:1-26



79-94 RZ *Salanova*★

AVAILABLE FOR TRIAL
Salanova® "Multileaf" red oak. Very attractive triple red colour. Good colour contrast with the green centre. Nasonovia aphid resistance.

Triple red oak.

Resistant: HR:BI:1-26/Nr:0

Also available **Seneca, Barbuda (indent only)**

Harvest Guide	Spring	Summer	Autumn	Winter
Indoor/Outdoor:	Dagama/Xavier	Dagama/Xavier	Dagama/ Xavier	Dagama/Xavier
	Sartre	Sartre	Sartre	Sartre
	Barbuda/79-94	Seneca/79-94	79-94	Barbuda/79-94
	Gaugin/Renoir	Gaugin/Renoir	Gaugin/Renoir	Gaugin

Endive Butterheads Batavias

NEW



Korbi RZ

Slow bolting in summer with less tip burn than Barundi. Slightly darker green leaf.

Slow bolting.



Forlina RZ

AVAILABLE FOR TRIAL

Summer butterhead darker green than Faustina and slower bolting.

Summer butterhead.

Resistant: HR:Bl:1-26/Nr:0 IR:LMV

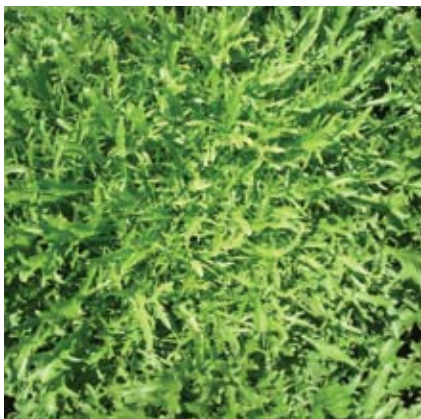


Cherokee RZ

Triple red "Batavia" type. Very attractive colour and very good taste. Fast growing and quick to fill out.

Very good taste.

Resistant: HR:Bl:1-16, 21, 23



Barundi RZ

"Frisée" Or "Très fine Maraîchère" type with fine, deeply cut leaves and well developed heart. Fast growing with good winter vigour.

Winter vigour.



Fabietto RZ

Winter butterhead with good size and vigour. Good speed of growth in cool conditions.

Winter vigour.

Resistant: HR:Bl:1, 4-22, 24,25/Nr:0 IR:LMV



Cegolaine RZ

Red mignonette type like a mini cos. Very slow bolting and widely adaptable. Strong against tip-burn.

Very slow bolting.

Resistant: HR:Bl:1-23/Nr:0

Also available **Faustina**

Harvest Guide	Spring	Summer	Autumn	Winter
Indoor / Outdoor:	Korbi/Barundi	Korbi	Korbi/Barundi	Barundi
	Forlina/Faustina	Forlina/Faustina	Forlina/Faustina	
	Fabietto		Fabietto	Fabietto
	Cherokee/Cegolaine	Cherokee/Cegolaine	Cherokee/Cegolaine	Cherokee

Spinach for Summer Production



Crocodile RZ

Semi-savoy variety with oval, dark, thick leaves. Strong leaf structure highly suitable for babyleaf production. Heat tolerant and strong against bolting.

Dark green and semi-savoyed.

Resistant: HR:Pfs: 1-7,9,11 IR:Pfs:10



Toucan RZ

Slow bolting summer variety with good heat tolerance. Dark green colour. Slowest bolting variety in the range.

Summer and autumn variety.

Resistant: HR:Pfs: 1-11



Marabu RZ

Oval shaped leaves, dark green colour with slight savoy. Compare with Whale for summer production.

Longer smooth leaf with darker colour.

Resistant: HR:Pfs: 1-10/CMV

Spinach for Winter Production



Parrot RZ

Fast growing winter variety. Very upright growth habit with nice round cupped leaves. Good shelf life.

Fast growing winter babyleaf variety.

Resistant: HR:Pfs: 1-7,9,11/CMV



Roadrunner RZ

Slower growing than Parrot for spring and autumn production. Dark green thick leaves. Vigorous and erect plants.

Spring and autumn harvest.

Resistant: HR:Pfs: 1-7,9,11/CMV



Dragon RZ

Very vigorous and upright habit. Dark green oriental type with slightly angular shaped leaves. Suitable for babyleaf or bunching.

Mid winter production.

Resistant: HR:Pfs: 1-7,9,11/CMV

Available for trial: **Squirrel**

Harvest Guide	Spring	Summer	Autumn	Winter
Outdoor:	Crocodile/Marabu	Crocodile/Toucan/Marabu	Crocodile/Toucan/Marabu	
	Roadrunner/Squirrel		Roadrunner/Squirrel	
	Parrot		Parrot	Parrot/ Dragon

Salanova®

The *new* 'easy to prepare' lettuce range for you!



ONE CUT, WASH AND IT'S READY!

With only one cut at the base, the head separates into equally-sized, ready to eat, tasty baby sized leaves.

<p>Salanova® Green Butter Sweet tender baby leaves</p>			
<p>Salanova® Red Butter Sweet tender baby leaves</p>			
<p>Salanova® Green Coral Mild & tasty baby leaves</p>			
<p>Salanova® Red Coral Mild & tasty baby leaves</p>			

For more information visit the website at www.salanova.com

Thinking lettuces? Think **Terranova**