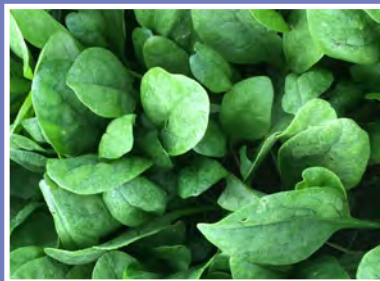
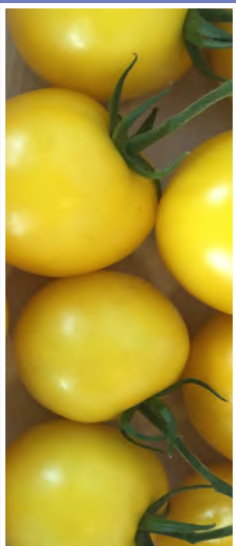




Lefroy Valley

quality seeds

Catalogue 2019-21



Team LEFROY VALLEY



Warren Hobson General Manager

Warren is based out of our Pukekohe office and has more than 30 years horticultural experience which includes pollination, growing media and of course seed. Warren returned to Lefroy Valley in 2008 and is responsible for the management of the business and oversees product development. Warren is from a sheep and beef farm and graduated from Massey University with a Bachelor of Agriculture. Warren is passionate about seed and the horticultural industry.

Mob 0274 949 994

warrenh@lefroyvalley.co.nz

Northland, Waikato, BOP, Franklin



Brent Mathieson Partner/Sales

Brent is based in our Pukekohe office, and in 2019 celebrates 40 consecutive years in the vegetable seed industry. Brent studied at Lincoln College, graduating with a Agricultural Diploma in 1975. In 1979 Brent jointed Yates Vegetable Seed and served 13 years before joining Lefroy Valley in 1992 as Managing Director and senior partner, specialising in leafy crops and agronomy.

Mob 0274 447 503

brentm@lefroyvalley.co.nz

Franklin, Nelson, Lower South Island



Janine Grul Technical Sales Representative/Administrator

Janine came to Lefroy Valley in early 2000 with the experience of having grown spring onions and outdoor capsicums commercially. Based in our Pukekohe office, Janine is an integral part of the company with a key role as Administrator combined with a sales focus on indoor crops and mesculin.

Mob 0274 438 024

janineg@lefroyvalley.co.nz

Indoor crops, Mesculin



Richard Kay Regional Sales Manager

Richard is based in Hawkes Bay. Having completed his Bachelor of Applied Science in Agribusiness in 2006 at Massey University, Richard worked as an Agronomist for a large food processing company in Gisborne. The crops he focused on were Sweetcorn, Squash, and Peas. Over the 5 years working there, he developed a solid understanding of the food processing industry and the agronomic skills to go with it. Richard joined LVNZ in 2015 after working 3 years for Lefroy Valley Australia.

Mob 021 241 0222

richardk@lefroyvalley.co.nz

East Coast, Hawkes Bay, Lower North Island, Ohakune



Damon Nielsen Technical Sales Representative/Warehouse

Damon has been in a permanent part time role with Lefroy Valley since 2013. Damon ensures the smooth running of the warehouse and dispatch of goods. Damon is integrating more fieldwork into his role and will eventually be a fulltime Technical Sales Representative in the Auckland & Canterbury regions. Damon comes from a Dairy farm originally and has spent time working in the horticultural industry in the UK before coming to Lefroy Valley.

Mob 021 884 680

damonn@lefroyvalley.co.nz

Auckland, Canterbury



Glennys Smith Customer Service/Logistics

Glennys has been with us since August 2008. Previously employed in the Onion Export industry, her skills are in the field of export documentation, logistics and customer service. With over 30 years of experience in administration, both in corporate and sole charge positions. Being a local, Glennys has spent all her life in the Franklin District. Glennys enjoys being part of the Lefroy Valley team and is at reception to serve customers either by phone or visiting our warehouse in Pukekohe.

Phone 09 238 3593

logistics@lefroyvalley.co.nz

Lefroy Valley

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Abnormals	Seedlings which are not growing true to type
Blossom End	The end on which the flower was formed
Bolting	Going to seed. Premature formation of a seed Stalk
Brix	Measure of the sucrose (sugar) content shown as °Bx. Measured using a refractometer
Determinate	Growth stopped by development of terminal flower buds. A dwarf variety
F1	The first generation of a cross
Gynoecious	All female flowers on the same plant
Hybrid	A plant resulting from a cross between parents that are unlike. They occur naturally or artificially. The same parents are used to produce more seed
Indeterminate	Growth continuing indefinitely when leaf buds are formed at the tip of the growth
Juvenile Stage	A seedling stage after emergence of cotyledon leaves
Monoecious	Has both male and female flowers on the same plant
Multigerm	A cluster of more than 1, usually no more than 3 seeds joined together
Off types	Not the same characteristics as its parents
Open Pollinated	Between plants of the same variety. Non hybrid
Parthenocarpic	The tendency of a plant to set fruit without pollination
Seed Cavity	The area inside a fruit that holds the seed
Selection	A special form of plant chosen for certain characteristics
Self Fertile	The pollen of the flowers of a single plant will fertilise the pistils of the flowers of the same plant
Self Incompatible	Incapable of self fertilisation
Sibs or Inbreds	Resultant plant from the self fertilisation of a hybrid parent
Species	A group of closely related plants which exhibit the characteristics distinguishing them from all other units within a genus although still having similar recognizable characteristics
Variety	A group within a species with distinct characteristics which are not different enough to be a separate species

Dear Customer

The team at LEFROY VALLEY has pleasure in presenting you our latest Vegetable Seed Catalogue. This catalogue is your essential guide when making important decisions about which varieties to grow. We are a small but progressive seed company, and consider customers as partners in the business of producing good quality produce at a profit.

We source quality seeds from many of the worlds leading vegetable seed breeders and suppliers, very small to large. We do extensive trial work from very early in the breeding process through to commercial sales.

We are not just seed sellers; we look, listen, evaluate, and provide the best advice we can based on our knowledge.

Every one of the varieties in this catalogue has been tested under New Zealand climatic conditions.

You will find we have indicated main sowing and harvest timeslots.

The combined experience in this company is second to none in New Zealand, and we pride ourselves on recommending not only our varieties, but giving credit to others when due. A seed company may have the best hybrids available, but without the best advice, the grower is no better off. Please consider that next time you invest in seed.

On behalf of the LEFROY VALLEY team, thank you for your business support throughout the years. It is something we never take for granted.

BEAN - DWARF

**ALONSO** *Phaseolus vulgaris*

Alonso is a flat or roma bean

- Tall but very strong bush plant, with smaller seeds than other varieties
- Pods are long and narrow. Length 150-170mm, width 16-18mm
- Fresh market and processing

High Resistance to: Psp, BCMV, CI

Sow	Harvest
September to late Jan	Mid Nov to early May

**FALCAO** *Phaseolus vulgaris*

Falcao is a beautiful dark green bean with very straight pods

- Very strong bush with easy set. Great shelf life
- A medium maturing variety with 130-145mm long pods held well off ground
- Average sieve size of 8.5-10mm

High Resistance to: Psp, BCMV, CI

Sow	Harvest
September to late Jan	Mid Nov to early May

**JAGUAR** *Phaseolus vulgaris* **NEW**

Jaguar has a maturity of 65-85 days

- Very dark green bean that presents well
- Straight pods with a length of 140-150mm, sieve size between 9.5-10mm
- Likes the heat, main to late season harvest

High Resistance to: BCMV, CI Intermediate Resistance to: Ua

Sow	Harvest
September to Jan	Mid Nov to mid April

**MAXIDOR (Wax)** *Phaseolus vulgaris*

Maxidor is an excellent fresh market wax bean

- Medium yellow colour and very straight
- A medium maturing variety with 120-130mm long pods
- Average sieve size of 8-9mm

High Resistance to: Psp, BCMV, CI

Sow	Harvest
September to Feb	Mid Nov to mid May

**MESSI** *Phaseolus vulgaris*

Messi has a maturity 62-80 days

- Beautiful dark green bean. Very strong bush, pod set well off the ground
- Easy pick with little stem retention. *Messi* has great shelf life
- Straight pods with a length of 130-150mm, sieve size between 8.0-10.5mm

High Resistance to: BCMV, CI

Sow	Harvest
September to Feb	Mid Nov to mid May

Our dwarf bean range comes from Pop Vriend Seeds. For more information on fresh market and processing beans visit www.popvriendseeds.nl



BEAN - RUNNER

**SHINY FARDENLOSA** *Phaseolus vulgaris*

Shiny Fardenlosa is a well known climbing variety

- Shiny bright green pod, stringless
- Old favourite

Sow	Harvest
September to Feb	Mid Nov to mid May



GOLDRUSH F1 *Beta vulgaris*

Goldrush has a bright yellow internal colour with no zoning

- Fresh market and processing. Versatile globe beet for baby or bunching
- Uniform globe shape with good yields. Reliable
- Roasts easily making a great colour contrast with red beet. Just as Sweet!
- Maturity: 100 days depending on time of year and planting density

Sow	Harvest
All Year	All Year



HARRIER F1 *Beta vulgaris*

Harrier has a dark red internal colour with no zoning

- Fresh market and processing. Versatile globe beet for baby or bunching
- Smooth uniform globe shape with good yields and reliable
- Small to medium size crown and tap root
- Maturity: 100 days depending on time of year and planting density

Sow	Harvest
All Year	All Year



HAWK F1 *Beta vulgaris*

Hawk is very sweet with 12°Bx (Brix). Dark red internal colour with no zoning

- Fresh market and processing. Versatile globe beet for baby or bunching
- Smooth uniform globe shape with good yields. Reliable
- Strong vigorous leaf attachments
- Maturity: 100 days depending on time of year and planting density

Intermediate Resistance to: Cb

Sow	Harvest
All Year	All Year



PSYCHO F1 *Beta vulgaris*

Psycho is a choggia - fantastic contrasting internal rings of pink and white!

- Fresh market and processing. Uniform globe beet for baby or bunching
- Smooth uniform globe shape with good yields. Reliable
- Strong vigorous leaf attachments of medium size.
- Maturity: 100 days depending on time of year and planting density

Sow	Harvest
All Year	All Year



RAMROD F1 (Cylindrical) *Beta vulgaris*

Ramrod is a cylindrical beetroot developed for superior slicing

- Very uniform, high yields of dark red roots free of interior zoning
- Ideal for slicing, eating fresh, canning or pickling. Erect plant habit
- Maturity: 100 days depending on time of year and planting density

High Resistance to: Cb

Sow	Harvest
All Year	All Year



RAPTOR F1 *Beta vulgaris*

Ramrod is a reliable variety that can be grown year round

- Strong vigorous leaf with small-medium attachment
- Dark red internal with smooth skin. Good brix at 12°Bx
- Small tap root, very uniform globe shape suitable for baby, bunching or processing.

Sow	Harvest
All Year	All Year



BEETROOT - LEAF



QUICKTOP *Beta vulgaris*

Quicktop for baby leaf

- Our selection for salad mixes as an alternative to Red Chard baby leaf
- Rapid growing, attractive glossy green leaves with vivid red petioles and veins
- Maturity: 24-42 days

Sow	Harvest
All year	All year

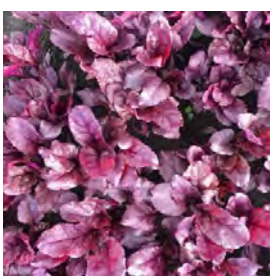


RED CAPE F1 *Beta vulgaris*

Red Cape is an improved Red Head type for baby leaf

- Leaves have an intense deep red colour
- Very glossy. Upright habit. Maturity: 24-42 days
- Best suited to Spring, Summer and Autumn harvest

Sow	Harvest
Aug to Apr	Sep to May



RED CLOAK F1 *Beta vulgaris*

Red Cloak is a winter vigour Red Cape type for baby leaf

- Leaves have a deep red colour
- Thick and glossy upright leaf. Maturity: 25-45 days
- Best suited to Autumn, Winter and Spring harvest

Sow	Harvest
Mar to Sep	Apr to Nov



RED HEAD F1 *Beta vulgaris*

Red Head for specialty baby leaf

- Specialty baby leaf variety producing medium small leaves, bright red in colour that become darker with cold
- Suitable for year round sowing, machine harvestable, ideally winter harvest
- Excellent addition to a mesculin mix. Maturity: 24-42 days

Sow	Harvest
All Year	All Year

BEET - CHARD - BABYLEAF & BUNCHING



ENVY

Green: High gloss leaf. Dark green colour with some leaf blister. Year round harvest.



FLUENCE F1

Red stem and veins with fresh green leaf colour. Very uniform. Holds very well and exceptionally clean leaf. All year harvest, but has good Winter vigour. IR to: Ps



ION F1

Red stem: Fresh green leaf colour with crisp red vein. Very uniform. Holds very well and with clean leaf. All year round harvest. IR to: Ps



PRIUS F1

Green: Fast growing variety. Thick leaves are medium dark green and tasty. Either for babyleaf or bunching. IR to: Ps



ENVY *Beta vulgaris* Envy is also suitable to bunch.

- Dark green whole plant variety with a medium to small white rib
- Best production seasons late Spring, Summer and Autumn
- High gloss leaf
- Pluck or whole plant harvest

Sow	Harvest
All Year	All Year

BROCCOLI



ADDER F1 *Brassica oleracea*

Adder is a heat tolerant variety with versatile maturity

- High domed head with medium dark green bead
- Strong upright plant. Heat tolerant
- Flexible harvest period, November to late May
- Maturity 70-80 days from transplant depending on location

Sow	Harvest
July to January	November to late May



MARATHON *Brassica oleracea*

Marathon is a well known versatile cool season harvest standard

- Heads are large and high domed in shape with a dark green colour
- Small bead size with excellent firmness
- Well known versatile standard
- Medium to late maturity

Sow	Harvest
Mid Dec to late April	April to November



MARQUEZ *Brassica oleracea* **NEW**

Marquez is a new Autumn and Spring harvest addition to our range

- Medium dome with a medium fine bead
- Medium dark green head of good size
- Compact plant with minimal stem trimming required
- Maturity 75-85 days from transplant depending on location

Sow	Harvest
Jan to Mar	May to Jul
May to Jul	Sept to Nov



SPINKS F1 *Brassica oleracea*

Spinks is ideally suited to Spring harvest

- Strong upright plant with head set medium deep within the plant
- Very uniform high domed heads
- Dark blue-green coloured with medium sized beads
- Maturity 90-110 days dependent on region

Sow	Harvest
Late March to June	September to mid Nov



VIPER F1 *Brassica oleracea*

Viper maturity is 55-70 days from transplant

- Strong vigorous plant with very uniform high domed heads
- Bright green with medium sized beads
- Excellent heat tolerance for Summer

Sow	Harvest
Sept to January	January to April



BRUSSELS SPROUT



BASTILLE *Brassica oleracea*

Bastille is a mid to late season harvest variety

- Very uniform maturity and high yielding
- Easy to hand or machine harvest
- Sprouts are medium dark green, round and firm
- Good tolerance to lodging and field tolerance to bacterial disease

Sow	Harvest
July to early Sept	June to August

BRUSSELS SPROUT

**BRUNO** *Brassica oleracea*

Bruno is a main to late season harvest variety

- Easy hand or machine harvest
- Nice shaped sprouts and very firm
- Good plant and sprout uniformity
- Harvests generally before Bastille

Sow	Harvest
July to August	May to August

CABBAGE - CHINESE

**BONSAI** *Brassica campestris*

Bonsai is a compact mid to large Wong Bok

- Dark green leaves with yellow core
- Size 1.5-3kg with ability to maintain a good quality cut up to the larger size
- Long standing variety

Sow	Harvest
August to April	November to August

**RED HERO** *Brassica campestris*

Red Hero is unique

- Vibrant red colour continues into the heart
- Weighs 2-2.5 kg
- 85-110 days to maturity depending on region and season
- Harvest Summer into Winter

Sow	Harvest
September to March	January to early July

**SAMURAI** *Brassica campestris*

Samurai has a high resistance to Clubroot

- Ideally suited to harvest from Spring through until late Autumn
- Size 2-3kg. Dark green external colour with good yellow internal colour
- Slightly later maturing than Bonsai & Kansai
- Good field tolerance to leaf disease

High Resistance to: Pb

Sow	Harvest
August to February	November to May

**TROOPER** *Brassica campestris* **NEW**

Trooper has good bolt tolerance

- 75-90 days to maturity depending on season and region
- Typical head shape with average weight of 1.5-2.5kg
- Strong green external colour with excellent yellow internal colour
- Warrior has better bolting tolerance. Trooper maybe harvested year round.
- Direct sow in Spring/Summer

High Resistance to: Pb

Sow	Harvest
All Year	All Year

**WARRIOR** *Brassica campestris*

Warrior has good bolt tolerance

- Ideally suited to harvest from Winter to late Spring, but can be year round
- Typical head shape with average weight of 2-3kg
- Strong green external colour with excellent yellow internal colour
- Vigorous, uniform, erect habit. Good field holding and bolt tolerance in Spring

High Resistance to: Pb

Sow	Harvest
Mid Feb to early June	June to November

If you are interested in a product you don't see listed, please ask us, as this is just a selection of our range.

CABBAGE - DUTCH

**SWEETPEAK** *Brassica campestris*

Sweetpeak has great flavour

- Ideally suited to harvest from Spring to early Winter
- Typical pointed head shape with average weight of 1kg
- Dark green external colour with very nice sweet flavour
- Vigorous, uniform, erect habit. Good field holding

Sow	Harvest
July to mid February	Mid Nov to mid June

CABBAGE - GREEN

**FUYU MIDORI** *Brassica oleracea*

Fuyu Midori has become the industry benchmark

- Deep drumhead shape. Dark green with heavy leaf structure
- True winter type with a strong similarity to the original Wintercross
- Versatile and slow to bolt

Sow	Harvest
December to May	May to November

**KODAMA** *Brassica oleracea*

Kodama is good for the warm, early production slot

- Medium high semi globe to drumhead shape
- Good density, medium small core. Dark blue green colour
- Larger early Green Globe/Emerald type

Sow	Harvest
August to January	January to mid April

**KOMATSU** *Brassica oleracea*

Komatsu is a medium deep to flat drumhead

- Large head of 4-4.5kg, excellent internal density
- Very Winter hardy, harvesting into Spring bolting period
- Slightly later maturity than Fuyu Midori

Sow	Harvest
February to July	June to November

**MIDORI PLUS** *Brassica oleracea* **NEW**

Midori Plus is a versatile wintergreen type

- Medium-deep drumhead shape
- Expect improved characteristics compared to Fuyu Midori
- Harvest early Winter to Spring
- Excellent internal quality and field holding

Sow	Harvest
December to May	May to November

**NIKKO GREEN** *Brassica oleracea*

Nikko Green is a medium deep drumhead

- Flexible harvest window of Summer, Autumn and early Winter
- Head held well clear of ground. Medium core
- Maturity 75-115 days depending on location and season slot

Sow	Harvest
July to December	November to May

All our seed is tested

CABBAGE - GREEN

**SAPORO** *Brassica oleracea*

Sapporo is a Spring harvest variety

- High vigour variety with an open plant and dark green wrapper
- Medium to deep drumhead shape
- Medium core length. Maturity will depend on region and temperatures

Sow	Harvest
March to May	September to November

**YOKOZUNA** *Brassica oleracea*

Yokozuna has very good field holding and market suitability

- Medium size, vigorous plant. Medium dark green leaf
- Good adaptability in the warm to cool production slot
- Medium semi globe to drumhead shape. Good density, medium small core
- Maturity: 75-95 days depending on region

Sow	Harvest
July to December	December to May

CABBAGE - SAVOY

**TROJAN** *Brassica oleracea*

Trojan is a traditional Savoy King type

- Deep round head shape with a good density and small core
- Medium - strong vigorous plant
- Strong heavy and densely savoyed leaves
- Dark colour and good wrapper leaves
- Maturity: 80-100 days

Sow	Harvest
July to January	November to June

CABBAGE - RED

**RED CLOUD** *Brassica oleracea*

Red Cloud is a red Rookie type

- Medium size drumhead
- Good quality internal and external colour
- Suited to Summer through to early Winter harvest
- Maturity: 80-100 days, varies by region

Sow	Harvest
July to January	November to June

**WEE RED** *Brassica oleracea*

Wee Red is a mini red

- High colour red both externally and internally
- Medium fast speed that holds reasonably well
- Grows well clear of the ground
- Weight approximately 0.5-1kg depending on season

Sow	Harvest
August to January	November to May

CAPSICUM INDOOR - HOT

**GREEN FIRE (Jalapeño)** *Capsicum annum*

Green Fire is a mild to hot variety for all year round greenhouse production

- Spectacular in its shape and smoothness both at green and red stages
- Consistent yield. With good fruit set
- Fruit weight 30-45gm with thick walls

Sow	Harvest
All Year	All Year

CAPSICUM INDOOR - HOT



SCORCHED ORANGE *Capsicum annum*

Scorched Orange has a mild to hot flavour

- Year round variety with good yield
- Green to orange colour for indoor use
- 30-45gm, thick walls, 130-140mm long, 15-20mm diameter

Sow	Harvest
All Year	All Year

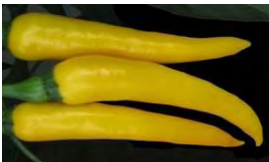


SCORCHED RED *Capsicum annum*

Scorched Red has a medium to hot flavour

- 135-140mm long, 15-20mm diameter at the shoulder
- Green to red, thick walls, 35-40gm
- Suitable for year round growing indoor

Sow	Harvest
All Year	All Year



SCORCHED YELLOW *Capsicum annum*

Scorched Yellow has a medium to hot flavour

- Green to yellow colour
- Similar in size to Scorched Red and Orange
- Hottest of the three varieties. Makes a good mixed pack

Sow	Harvest
All Year	All Year

CAPSICUM OUTDOOR - HOT



CHILLI BLAZE *Capsicum annum*

Chilli Blaze is very hot

- Deep red colour at maturity
- 11-14cm long, average weight 20-25gm
- Excellent yield, easy setting ability
- A naturally strong plant producing thick walled fruit

Sow	Harvest
Spring	Summer to mid Autumn



CHILLI FEVER *Capsicum annum*

Chilli Fever is also very hot

- Deep red colour at maturity
- 12-15cm long, average weight 25-30gm
- Excellent yield, strong plant

Sow	Harvest
Spring	Summer to mid Autumn



HABANERO RED *Capsicum annum*

Habanero Red is also very hot

- Fruit deep red colour at maturity, 5-6cm long, average weight 25gm
- Excellent yield, strong vigorous plant, enjoys hot conditions

High Resistance to: TMV:2

Sow	Harvest
Spring	Summer to mid Autumn



HOT 'N BOTHERED *Capsicum annum*

Hot Red Bullhorn is another very hot capsicum

- Green to red, 160-190mm long
- 70-90gm average weight
- Great set and yield from a strong plant

High Resistance to: TMV:2

Sow	Harvest
Spring	Summer to mid Autumn

Our red, yellow and orange varieties make a great mixed pack!

CAPSICUM - OUTDOOR HOT

**HUNGARIAN WAX** *Capsicum annum*

Hungarian Wax is very hot

- Deep red colour at maturity
- 17-20cm long, average weight 90-100gm
- Excellent yield, easy setting ability
- A naturally strong plant - try it!

Sow	Harvest
Spring	Summer to mid Autumn

**SLIMLINE** *Capsicum annum*

Slimline is very hot

- Deep red colour at maturity, slower to colour
- 13-15cm long, average weight 20-25gm
- Sets high fruit numbers of uniform fruit
- Compact plant with good foliage cover

High Resistance to: TMV:2

Sow	Harvest
Spring	Summer to mid Autumn

**RED EYE** *Capsicum annum*

Red Eye is a very hot birds-eye type

- Green to red colour for outdoor use
- Exceptionally vigorous plant, compact with good foliage cover
- Fruit are 40-50mm long

High Resistance to: TMV:2

Sow	Harvest
Spring	Summer to mid Autumn

**YELLOW OUTDOOR** *Capsicum annum*

Yellow Outdoor chilli has great heat

- Green to Yellow colour, strong plant, compact with good foliage cover
- Average 10cm long with thick walls, 25-30gm

Sow	Harvest
Spring	Summer to mid Autumn

**ORANGE OUTDOOR** *Capsicum annum*

Orange Outdoor chilli has a deep orange colour

- Slightly weaker plant than red and yellow but has good setting
- Average 10cm long with thick walls

Sow	Harvest
Spring	Summer to mid Autumn

**RED OUTDOOR** *Capsicum annum*

Red Outdoor chilli is very hot

- Green to Red colour
- Strong plant, compact with good foliage cover

Sow	Harvest
Spring	Summer to mid Autumn

Please ask about Fresno, Ghost, Scorpion, Scotch Bonnet and other hot varieties

CAPSICUM INDOOR - SWEET

**ORANGE PASSION** *Capsicum annum*

Orange Passion is a market standard for orange blocky

- Very nice export & domestic market blocky orange
- Compact habit and excellent yield
- Uniform change in colour from green to orange
- Weighs 190-200gm

High Resistance to: TMV:2

Sow	Harvest
All Year	All Year

CAPSICUM INDOOR - SWEET

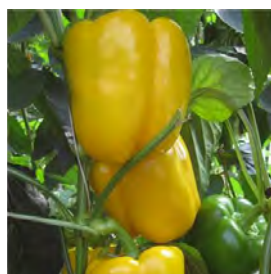
**RED WRATH** *Capsicum annuum*

Red Wrath is a glossy, bright red blocky

- Compact generative plant with good power
- Excellent setting ability, high quality fruit
- Fruit weight between 190-200gm. 4 lobed slightly elongated blocky

High Resistance to: TMV:3, TSWV

Sow	Harvest
All Year	All Year

**YELLOWTAIL** *Capsicum annuum*

Yellowtail is a glossy, light mid yellow blocky

- Vigorous growing vine, good fruit cover, excellent setting ability.
- The Yellowtail plant holds good power
- Fruit weigh between 180-200 gm. Fruit are a blocky shape with four lobes
- Fruit are very firm. Suitable for export and domestic market

High Resistance to: TMV:2

Sow	Harvest
All Year	All Year

CAPSICUM INDOOR - SWEETPOINT

**KRAKATOA** *Capsicum annuum*

Krakatoa is a sweet, long red capsicum

- Vigorous growing vine with excellent fruit set. Plant holds good power
- Fruit weigh between 80-110gm and have a pointed shape
- Glossy and a very nice red colour

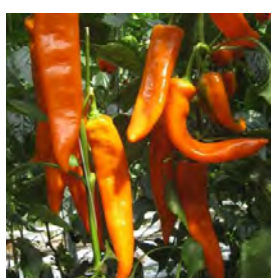
Sow	Harvest
All Year	All Year

**TALANG** *Capsicum annuum*

Talang is a long yellow, sweet capsicum

- Vigorous growing vine with excellent fruit set. Plant holds good power
- Fruit weigh between 80-110gm and are a pointed shape
- Glossy and a very nice yellow colour
- The fruit maintain excellent length throughout the crop life

Sow	Harvest
All Year	All Year

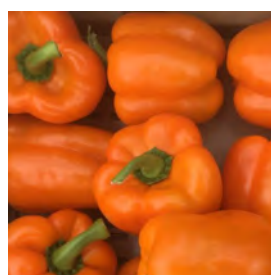
**VESUVIUS** *Capsicum annuum*

Vesuvius is a stunning orange colour, sweet, long capsicum

- Vigorous growing vine with excellent fruit set. Plant holds good power
- Shorter plant than Krakatoa. Very little plant work required
- Fruit weigh between 80-110gm and are a pointed shape
- Glossy, stunning orange colour. A truly unique plant with great flavoured fruit

Sow	Harvest
All Year	All Year

CAPSICUM OUTDOOR - SWEET

**GLARE (Orange)** *Capsicum annuum*

Glare is an orange blocky

- Large blocky fruit on a compact plant
- 9-10cm x 10cm. Suitable for open field culture without support
- Sturdy plant with good cover

High Resistance to: TMV, Xcv:1,2,

Sow	Harvest
August to December	January to May

CAPSICUM OUTDOOR - SWEET

**HALO (Yellow) *Capsicum annuum***

Halo is a large, yellow blocky

- Large blocky yellow fruit on a compact plant
- 9 x 9cm to 10 x 10cm. Suitable for open field culture without support
- Sturdy plant with good cover

High Resistance to: TMV, Xcv:1,2,3, PVY

Sow	Harvest
August to December	January to May

**HITCH (Red) *Capsicum annuum***

Hitch is an improve Helix

- Large green to red blocky suited to fresh market and processing use
- Heavy 10 x 10cm, thick walled and a bright cherry red colour
- Sturdy plant with good fruit cover
- Good heat set. Approaching greenhouse quality in open field

High Resistance to: TMV: 0 / Xcv: 0-3, 7, 8

Sow	Harvest
August to December	January to May

**SWEET RED BULLHORN *Capsicum annuum***

Sweet Red Bullhorn has a very dark red colour

- Excellent production of great flavoured fruit
- 100-125gm, Brix 7, 3-5cm x 16-20cm
- Strong plant but due to high yield may need a stake

High Resistance to: TMV, Xcv:1,2,3

Sow	Harvest
August to December	January to May

CARROT - HYBRID

**NAVAJO *Daucus carota***

Navajo has good bolting tolerance

- An overwintering type and also as a main season nantes
- Very uniform Nantes with relatively smooth roots
- Length is 18-20cm and blunts off well
- Good crack tolerance and reasonable colour

Sow	Harvest
April to end June	Sept to May

CARROT - BUNCHING HYBRIDS

**HUMM *Daucus carota***

Humm is an all round bunching carrot

- Good strong tops and very reliable
- Roots are slightly wider at the top and shorter in length compared to Rattle
- Nice colour and presents well
- Very robust and adaptable

Sow	Harvest
All Year	All Year

**JINGLE *Daucus carota***

Jingle is a medium maturity bunching carrot

- Dark foliage with strong tops and good attachment
- Excellent root shape 80-150mm long and 15-25mm at shoulder
- Great colour and very uniform
- Particularly good vigour for harvest May to November

Sow	Harvest
All Year	All Year

CARROT - BUNCHING HYBRIDS

**NARVIK** *Daucus carota*

Narvik has a strong tolerance to cracking and breakage

- Excellent uniformity and colour
- Strong topped Nantes and easy pull
- Suited to harvest during the cooler months

Sow	Harvest
Autumn	Winter

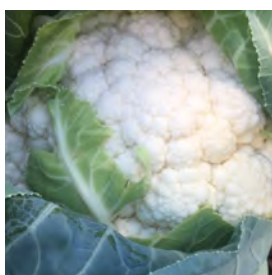
CAULIFLOWER - HYBRID

**BENAZZI** *Brassica oleracea*

Benazzi (CLF 7370) has high quality curd

- Promising late Winter variety suited to south of Pukekohe
- Excellent tall semi-erect robust plant
- Very dense well tucked white curd
- Maturity: 135-150 days

Sow	Harvest
Mid January to late Feb	Mid July to mid Sept

**BLANCO** *Brassica oleracea*

Blanco (CLF 8960) has an excellent compact uniformed plant

- For the Autumn harvest period depending on location
- Medium vigour producing an excellent well covered white curd
- Maturity: Approximately 85-100 days depending on location

Sow	Harvest
October to early Dec	Mid April late May

**CHABAL** *Brassica oleracea*

Chabal (CLF 7364) has good uniformed maturity

- For the late Summer and mid Autumn harvest period depending on location
- Firm curd of medium sized florets. 0.9-1.2kg
- Squat frame with good curd wrap for this production slot
- Maturity: 75-85 days depending on location

Sow	Harvest
Late Nov to mid Dec	Early Mar to mid Apr

**IBANEZ** *Brassica oleracea*

Ibanez (CLF 7367) has outstanding seasonal versatility

- Maturity: 80-100 days depending on location for L Autumn to E winter
- Medium-large sized frame producing 1.2-1.5kg curd
- Semi erect plant, good jacket and curd cover
- Firm white medium sized dense florets on a well tucked curd

Sow	Harvest
January to February	Mid April to late May
Early May to early June	E Oct to mid Nov

**MAESTRI** *Brassica oleracea*

Maestri (CLF 8962) has excellent uniformed harvest

- For the late Autumn to early Winter harvest period depending on location
- Maturity: Approximately 90-110 days depending on location
- Good plant vigour producing an exceptionally well wrapped and tucked curd
- Excellent white curd. Highly recommended

Sow	Harvest
January to February	May to mid June

Over wintered/transitional trials are continuing and we will have information during October–December. Longer maturity 210–220 day Walcheren type varieties will be updated - Cholley is one of these.

CAULIFLOWER - HYBRID



PELOUS *Brassica oleracea*

Pelous (CLF 8966) has a strong sturdy plant for mid Winter

- For the Winter harvest period depending on location
- Strong plant vigour producing an excellent covered and well tucked curd
- Maturity: Approximately 120-135 days depending on location

Sow	Harvest
Mid Jan to late March	July to September

Cauliflower Harvest

		All NI	LNI only	Upper NI only	Upper SI only	Lower SI	All SI	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec		
								Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late
Chabal	NI																				
	SI																				
Ibanez	NI																				
	SI																				
Blanco	NI																				
	SI																				
Maestri	NI																				
	SI																				
Pelous	NI																				
	SI																				
Benazzi	NI																				
	SI																				
Cholley	SI																				

CAULIFLOWER COLOURED - HYBRID



EMERALDMOON *Brassica oleracea*

Emeraldmoon is a lime green colour

- Florets easily for processing
- Resembles a true cauliflower with medium round head
- 75-95 days location dependent

Sow	Harvest
November to December	Late March to early May



MULBERRY *Brassica oleracea*

Mulberry has a deep purple colour

- Excellent colour and turns BLUE when cooked
- Florets easily for processing
- Resembles more a true cauliflower than other competitors
- Suited to Summer - Autumn harvest

Sow	Harvest
April to January	November to July



MOONBEAM *Brassica oleracea*

Moonbeam has an orange curd

- Semi erect, compact with medium frame
- Firm, nicely tucked florets
- Medium frame with good jacket and curd of 0.85-1kg
- 75-95 days location dependent

Sow	Harvest
July to January	December to June



PURPLEMOON *Brassica oleracea*

Purplemoon has a distinct purple colour curd

- Semi erect, compact with medium frame
- Suited to Late Spring to Early Winter harvest
- Medium frame and a curd with great colour and weighing 0.85-1kg
- 75-95 days location dependent

Sow	Harvest
April to January	November to July

CAULIFLOWER - SPROUTING



FLORAISON *Brassica oleracea*

Floraison is a sprouting cauliflower

- Semi erect plant with no curd cover
- Whole sprouting head weighs 900g to 1.2kg
- Small white sprouts/florets can be snapped off to make bunches
- Matures in 12-14 weeks from transplant, late Spring to early Winter harvest

Sow	Harvest
Mid April to January	November to June

CAULIFLOWER

CELERIAC



TRUMP *Aplum graveolens*

Trump is fast growing with bolting resistance

- Fast growing variety with excellent bolting resistance
- Sturdy, upright, dark green leaves. Roots are round, smooth and of good internal quality. Easy cleaning
- Specially recommended for early harvest and bunching

High Resistance to: Sa

Sow	Harvest
All Year	All Year

CELERIAC

CHINESE GREEN - KALE



CAVOLO NERO *Brassica oleracea*

Cavolo Nero can be used for baby leaf or bunching

- Industry standard - often called black kale
- Suitable for all year round sowing/harvest
- For baby leaf and bunching

Sow	Harvest
All Year	All Year

CHINESE GREEN



KALEX *Brassica oleracea*

Kalex is a more vigorous Cavolo Nero type

- Green/blue leaves and quick to get out of the ground
- All year round sowing/harvest
- Ideal for baby leaf or bunching
- Good uniformity

Sow	Harvest
All Year	All Year



GREEN GLACE *Brassica oleracea*

Green Glace is an especially sweet kale

- Quick growing kale for all year
- Very sweet, ideal for juicing
- Large plant giving good volume

Sow	Harvest
All Year	All Year



PURPLE CURL *Brassica oleracea*

Purple Curl has a purple stem and veins

- Green/purplish leaves with deeper purple veins. Ruffle to leaf edge
- All year round sowing/harvest
- Ideal for baby leaf or bunching

Sow	Harvest
All Year	All Year



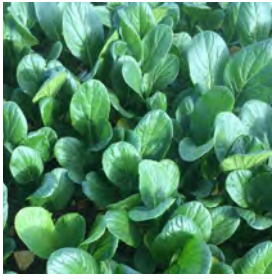
RIPCURL *Brassica oleracea*

Ripcurl has a finely curled blue green leaf

- Blue Curly Kale - finely curled margin of blue green leaf
- Baby leaf and bunching production
- Suitable for all year round production
- Sweet flavor

Sow	Harvest
All Year	All Year

CHINESE GREEN - BABY LEAF - GREEN



EVOKE

Dark green Pak Choi/ Komatsuna. Uniform upright and good vigour. Thick leaf.



MIBUNA

Strap shaped leaves with a nice aroma. All year round production.



MIZUNA

Fine leaves are decorative, green with a mild mustard flavour. All year round production.



TATSOI

Spoon shaped leaf, and dark green. Best suited for Spring to Autumn harvest.



TICKLER

Green Mustard with fine frilly leaf.

Seed pack sizes for Chinese Greens range from 100gm to 20kg

CHINESE GREEN - BABY LEAF - RED



RED CHIEF

Cherry red mustard. Good colour on underside of leaf. Winter and shoulder harvest.



RED DUCHESS

Frilly Red Mustard. Intense deep red right through leaf. All year round production.



RED EARL

Red Mizuna. Fine decorative leaves. Mild mustard flavour. All year round production.



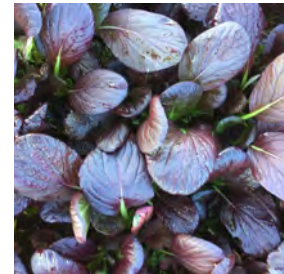
RED ELK

Mustard, fine, frilly leaf. Vibrant red upper leaf, good shelf life. Quick. Year round.



RED EMPEROR

Red Pak Choi, good quality. Erect habit. Market standard. All year round production.



RED EMPRESS

Red Emperor type but darker with strong vigour. Slight cup to leaf edge, upright, glossy.



RED MONARCH

Mustard, deep cherry red broad leaves. Quick growing for Autumn to Spring.



RED RULER

Frilly edged Mustard with savoyed leaf.



RED SULTAN

Dark red oval leaf Mustard. Mild flavour. Great colour on both sides of leaf



RED TSAR

Intense red Pak Choi. Highly glossy leaves. Good shelf life. Year round production.

CHINESE GREEN - PAK CHOI - FRESH MARKET



EVERGREEN *Brassica rapa*

Evergreen has excellent eating quality

- Upright hybrid Pak Choi with broad, thick, green petioles and leaves
- Uniform vigorous plants, highly marketable
- More suitable for Spring / Summer / Autumn production but has wide sowing adaptability. Bunching or baby leaf

Sow	Harvest
September to February	November to May



DANCER *Brassica rapa*

Dancer has a beautiful hour-glass shape

- Uniform vigorous plants, highly marketable
- Upright Pak Choi with broad, thick, green petioles and dark green glossy leaves
- Direct drill Spring / Summer

Sow	Harvest
December to February	January to March



JOI CHOI *Brassica rapa*

Joi Choi is slow bolting

- White stem hybrid Pak Choi
- Slow bolting and uniform growth. Performs well where bolting is normally a problem for Pak Choi
- A very versatile variety

Sow	Harvest
All Year	All Year



MEI QING *Brassica rapa*

Mei Qing is the market standard for green stem

- Market standard hybrid green stem Pak Choi
- Very uniformed
- All year production

Sow	Harvest
All Year	All Year



NIPPER *Brassica rapa*

Nipper has striking contrast between the white stem and dark green leaf

- Compact baby white stem Pak Choi
- Erect leaf habit, strong plant and very uniform
- All year production with maturity between 45-60 days depending on location and season. Stronger against bolting than most dwarf types

Sow	Harvest
All Year	All Year



PAKMAN *Brassica rapa*

Pakman is a baby sized green stem Pak Choi

- Beautiful presentation with erect foliage and hour-glass shape
- Excellent quality with uniform size and colour
- 45-60 days from sowing depending on season and location

Sow	Harvest
September to February	November to May



PINCH *Brassica rapa*

Pinch is a dwarf sized white stem Pak Choi

- Suited to late Spring to early Winter harvest
- Good quality with uniform size and dark green leaves
- 45-60 days from sowing depending on season and location

Sow	Harvest
October to mid April	November to May

CHINESE GREEN - PAK CHOI - FRESH MARKET

**SHOWMAN** *Brassica rapa*

Showman medium - large sized market standard

- Green stemmed Pak Choi with resistance to clubroot
- Versatile variety with the ability to be grown all year round
- Good size and uniform shape

High Resistance to: Pb

Sow	Harvest
All Year	All Year

**SUMMER MQ** *Brassica rapa*

Summer MQ is heat tolerant

- Excellent colour, similar to market standard Mei Qing
- Greater heat tolerance and smaller core
- Suited to Summer harvest particularly

Sow	Harvest
October to February	December to April

**WOBURN** *Brassica rapa*

Woburn has a very uniform plant - direct sow

- Green stemmed Pak Choi with very uniform plants and good vigour
- Suitable for year round production
- Maturing in 45-50 days depending on location
- Dwarf type to be sown at high density and directly

Sow	Harvest
All Year	All Year

CHINESE GREEN - FRESH MARKET

**ENTSAI - BAMBOO LEAVED**
Impomea aquatica

Entsai is tolerant to heat

- Very vigorous under warm damp conditions, can be planted in hot season
- Long hollow stem with light green, arrow shaped leaves
- Very nutritious and good for stir-fry. Summer only
- Maturity approximately 10 weeks

Sow	Harvest
October to February	December to April

**CHOY SUM - BRISK** *Brassica chinensis*

Brisk harvests Spring to early Winter

- Harvest young stalks when bolting
- Harvest approximately 35-50 days after sowing
- Strong leaf and excellent stem thickness

Sow	Harvest
October to April	November to June

**CHOY SUM - RAPID** *Brassica chinensis*

Rapid harvests mid-late Summer to Spring

- Harvest young stalks when bolting
- Harvest approximately 40-50 days after sowing
- Dark green glossy leaf, thick stem and good leaf

Sow	Harvest
November to Sept	January to November

CHINESE GREEN - FRESH MARKET



GAI CHOY *Brassica chinensis*

Gai Choy has a slight mustard flavour

- Strong vigorous plant with good bolting tolerance
- Pick either leaf or whole plant
- Maturity: 40-60 days location dependent. Direct sowing is best

Sow	Harvest
All Year	All Year



KAILAAN WHITE FLOWERED *Brassica oleracea*

Kailaan is a Chinese Broccoli with white flowers

- Chinese broccoli, single stalk, suits all year round. Tender sweet floret
- Popular proven selection. Best grown in Autumn, Summer and Spring
- Maturity: 10-12 weeks

Sow	Harvest
All Year	All Year



MUSTARD BAO SIN KAI TSAI *Brassica juncea*

Bao Sin Kai Tsai is a heading mustard

- Dwarf habit, short leaves
- Petioles are thick, flat short and wide
- Large heads are tender and crisp

Sow	Harvest
All Year	All Year



PAI TSAI KATE *Brassica campestris*

Pai Tsai Kate has a high good quality yield

- Plants are big with many lateral shoots. Yield is high and of good quality
- Late-bolting and good for year-round growing
- It is suitable for use as vegetable green, and the flower stalks are edible

Sow	Harvest
All Year	All Year



YOSHI *Brassica oleracea*

Yoshi is a hybrid with excellent uniformity year round

- Harvest young stalks when bolting
- Harvest approximately 40 days after sowing in Summer
- Franklin growers are using this variety year round
- Not resistant to Downy mildew but good tolerance

Sow	Harvest
All Year	All Year

CUCUMBER - GHERKIN



SASKWATCH *Cucumis anguria*

Saskwatch has very good processing quality

- Early maturing variety with excellent yield potential
- Slim fruit shape with excellent dark green colour
- High level of field tolerance to Downy mildew

Intermediate Resistance to: Px, Pcu

Sow	Harvest
September to January	January to April

CUCUMBER INDOOR - SNACK



NIBBLES *Cucumis sativus*

Nibbles is perfect for lunch boxes or snacking

- Multi fruited variety with 2-4 fruit per node depending on light levels
- 8-10cm long with smooth skin and excellent dark green colour

Intermediate Resistance to: Px, CVVY

Sow	Harvest
Spring to late Summer	Mid Spring to Autumn

CUCUMBER - TELEGRAPH (INDOOR)

**AURA *Cucumis sativus***

Aura is suited to Spring-Summer-Autumn harvest

- Well shaped 30-34 cm long straight dark green fruit
- Broad temperature range, works well in adverse conditions of heat and cool
- Delivers very high yield in kilos and pieces

High Resistance to: Ccu, CVYV *Intermediate Resistance to:* CMV, CYSDV, Px

Sow	Harvest
E Spring to late Summer	Mid Spring to Autumn

**ILLUSION *Cucumis sativus***

Illusion is suited to Autumn-Winter-Spring harvest

- Well shaped 32-35 cm long fruit with minimal neck
- Variable growing period but recommended for cool season crops where long fruits of high quality are required
- Showing good tolerance to Fusarium

Intermediate Resistance to: Px, CYSDV

Sow	Harvest
L Summer to late Winter	Autumn to Spring

**MIRAGE *Cucumis sativus***

Mirage is suited to mid Spring-Summer-Autumn harvest

- Well shaped 33-35 cm long fruit
- Easily balanced plant with regular fruit set
- Popular variety

High Resistance to: Ccu, CVYV *Intermediate Resistance to:* CYSDV, CMV, Px

Sow	Harvest
L Winter to E Summer	Mid Spring to Autumn

CUCUMBER - MINI (INDOOR)

**ELATE *Cucumis sativus***

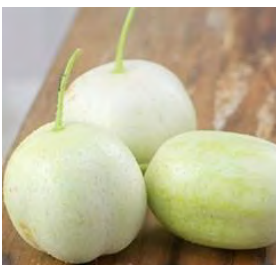
Elate is a Beit Alpha/Lebanese cucumber

- 16-18cm long dark green, 1-3 fruit per node
- Excellent eating qualities
- Spring-Summer-Early Autumn harvest

Intermediate Resistance to: Px, CMV

Sow	Harvest
August to February	October to May

CUCUMBER - SLICING

**CRYSTAL APPLE *Cucumis sativus***

Crystal Apple is a popular home garden variety

- Small white apple shaped cucumber with thin skin
- Excellent eating qualities
- Easy to grow commercially or home garden

Sow	Harvest
Spring	Summer

**DELITE (INDOOR) *Cucumis sativus***

Delite for all year round production under cover

- Productive slicing cucumber for year round production under cover
- Strong plant structure
- Able to handle cooler growing conditions

Sow	Harvest
All Year	All Year

EGGPLANT



SIMPSON (INDOOR) *Solanum melongena*

Simpson has very attractive glossy black high quality fruit

- Oval, teardrop shape with glossy, deep aubergine coloured skin
- Firm with good shelf life. Suitable for covered crops
- High yields. Average weight 350gm. Spineless calyx

High Resistance to: Px, Pcu

Sow	Harvest
All Year	All Year



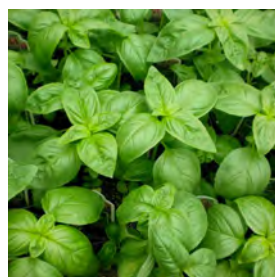
SUSSEX IMPROVED *Solanum melongena*

Sussex Improved has a nearly black skin

- Very productive and versatile with shiny, firm fruit
- Long teardrop shape with nearly black skin
- Outdoor or low input covered crops

Sow	Harvest
Spring	Summer

HERBS - GENERAL



BASIL - LARGE SWEET GENOVESE

Vigorous growth with large glossy leaves and intense flavour. Market Standard.



BASIL - MAJESTIC

Compact. Dark green colour. Handles cool. Strong sweet aroma. *HR to:* Fusarium



BASIL - THAI

Quick to mature, robust, high yields. Great anise flavour. Purple stem.



CHERVIL

Tender, highly aromatic with pleasant spicy taste. Light green, fern like leaves.



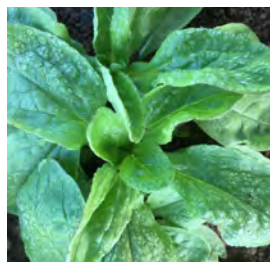
CHIVES

Medium-fine chive. Mild onion flavour that gets stronger with maturity.



CORIANDER

Popular herb. Fine, feathery bright green leaves. Highly aromatic. All year round.



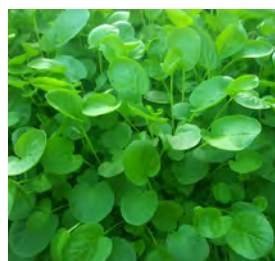
CORN SALAD

Standard corn salad/Mache/Lambs lettuce.



DILLICIT

Feathery leaves with a delicate aniseed flavour. Good tolerance to soil diseases.



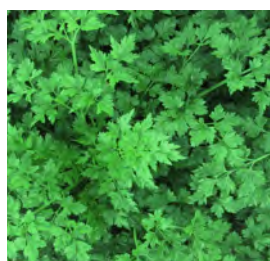
LANDCRESS

Barbarea verna Often called Upland or American cress, thick glossy leaves.



PARSLEY - AWARD

Triple curled dark green foliage with good flavour. This is the industry standard.



PARSLEY ITALIAN - CAROUSEL

Leaves are broad and flat, and have a smooth flavour.



POT MARJORAM

Classic Oregano. Aromatic leaves in mid green. Shrubby compact plant.

HERB - GENERAL

**THYME - ENGLISH WINTER**

The most widely grown thyme. Small dark green leaves.

**WATERCRESS**

Sow Spring-Autumn.
Produces tender leaves & stems.

HERBS - ROCKET

**ROCKET (STANDARD)**

Eruca sativa Classic rocket with rounded leaf shape and gentle lobing. Very quick growing.

**SALAD ROCKET #2**

Eruca sativa New variety of Standard Salad Rocket with more vigour and disease field tolerance.

**ROCKET TEARAWAY**

Eruca sativa A productive, dark green finely serrated rocket. Good vigour and offers re-cut opportunity.

**ROCKET WILD CHANUI**

Diplotaxis Good field tolerance to Downy mildew. Summer outdoors or all year round production under cover.

KOHLRABI

**KOHLRABI GREEN F1** *Brassica oleracea var gongylodes*

Kohlrabi Green is slow to bolt or split

- High quality pale green globed bulb with erect leaves
- Versatile variety for early or main crop use
- Slow to bolt or split and with good texture, 75-80 days maturity in Summer

Sow	Harvest
All Year	All Year

**KOHLRABI RED F1** *Brassica oleracea var gongylodes*

Kohlrabi Red has good red/purple colour

- Early maturing purple globed bulb
- Versatile harvest period
- Very uniform shape

Sow	Harvest
All Year	All Year

LEEK

**CHARGE** *Allium porrum*

Charge handles easily and peels well

- Early to mid maturity
- Erect habit and lighter green leaves. Shank length 30cm
- Handles easily and peels well. Shank is cylindrical in shape
- Harvest late March to August depending on region

Sow	Harvest
Sept to November	March to August

LEEK



DETONATOR *Allium porrum*

Detonator handles easily and peels well

- Early to mid maturity
- Semi-erect habit and leaves. Length 25-30cm. Shank is cylindrical shape
- Harvest Late March to August

Sow	Harvest
August to November	Late March to August



IGNITION *Allium porrum* **NEW**

Ignition has a long white shank and dark blue-green erect foliage

- Mid-late maturing
- White shank and dark blue-green foliage
- Length 28-30cm plus. Handles easily and peels well. Cylindrical shank
- Harvest June to September. Very erect foliage

Sow	Harvest
October to December	June to September



STRAP *Allium porrum*

Strap has a long white shank and dark blue-green foliage

- Mid-late maturing
- White shank and dark blue-green foliage
- Length 25-30cm. Handles easily and peels well. Cylindrical shank
- Harvest July to September. Very erect foliage

Sow	Harvest
October to December	July to September

LEEK

LETTUCE - BUTTERHEAD



ALPINE *Lactuca sativa*

Alpine presents beautifully. Field or hydroponic production

- Shiny dark green leaf with slight blister to leaf
- Exceptional uniformity and attractive presentation

High Resistance to: BI 1-28, 30,31 Nr:0

Sow	Harvest
All Year	All Year



ANCHOR *Lactuca sativa*

Anchor is very dark green. Field or hydroponic production

- Velvet textured leaved butterhead
- Exceptional uniformity and beautiful presentation
- Good resistance to tip-burn and bolting

High Resistance to: BI 1-28, Nr:0

Sow	Harvest
All Year	All Year

LETTUCE

LETTUCE - COS (LITTLE GEM)



PIXIE *Lactuca sativa*

Pixie is a sweet little gem

- Good vigour and excellent disease package
- Sweet to taste with a blistered leaf
- Great uniformity and very consistent. Presents beautifully
- Good in both hydroponics and field

High Resistance to: BI 1-31, Nr:0, LMV

Sow	Harvest
L July to mid Jan	L Spring to early Winter

LETTUCE - COS (LITTLE GEM)



FAIRY RED *Lactuca sativa*

Fairy Red brings a red little gem into our range

- Small-mid size cos with heart with excellent flavour
- Slight blister to leaf gives attractive presentation
- Hydroponic or field production

High Resistance to: Bl 1-33

Sow	Harvest
L July to mid Jan	L Spring to early Winter



SPRITE *Lactuca sativa*

Sprite is a cool season harvest midi sized cos

- Midi size cos with heart with excellent flavour
- Dark green leaf with slight blister
- Best for field production

High Resistance to: Bl 1-33

Sow	Harvest
December to June	Autumn to late Spring

LETTUCE - LARGE COS



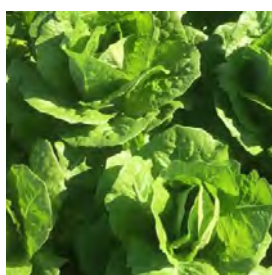
DELSEY *Lactuca sativa*

Delsey is a vigorous large Winter cos

- Slightly blistered dark green leaves
- Good leaf numbers and a small rib
- Uniform plant and size and will handle tough conditions

High Resistance to: Bl 1-33

Sow	Harvest
January to April	May to September



TORPEDO *Lactuca sativa*

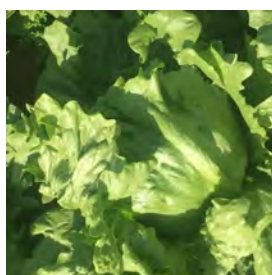
Torpedo is a large semi closed head cos

- Slightly blistered leaves with good colour, very versatile
- High leaf numbers of good weight
- Flexible harvest periods suited to Spring to mid late Autumn

High Resistance to: Bl 1-26, 28-30, Nr:0

Sow	Harvest
July to E February	November to May

LETTUCE - CRISP



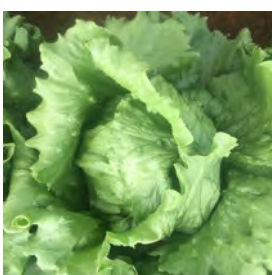
HAWEA *Lactuca sativa*

Hawea has good wrapper leaves and excellent uniformity

- Good adaptability for warm to cool and cool to warm shoulder season
- Neat frame and butt. Medium to dark green with some blister
- Medium large flat round head

High Resistance to: Bl 1-24,27,28

North: Sow	Harvest
Jan to Mar	Apr to June
Apr to Jun	Sept to Oct
South: Sow	Harvest
May to Jul	Oct to Dec



MANUWAI *Lactuca sativa* **NEW**

Manuwai is suited to fresh market and processing for Summer harvest

- Good adaptability for warm season. Excellent uniformity and vigour
- Neat frame and butt. Dark green in colour with some blister
- Medium large flat round head size with consistent heart fill

High Resistance to: Bl 1-31, Nr:0

North: Sow	Harvest
Mid August to November	L December to March

LETTUCE - CRISP



PUKAKI *Lactuca sativa*

Pukaki is very hardy and suited to Winter harvest

- Suited to cool season harvest. Good uniformity and excellent vigour
- Dark green in colour with blister. Neat frame and clean butt
- Medium large flat round head size. Consistent heart fill

High Resistance to: Bl 1-19, 21, 23

Sow	Harvest
February to May	June to September



TUTIRA *Lactuca sativa*

Tutira has a medium dark green, glossy colour

- Good adaptability and nice wrapper leaves
- Clean butt and excellent uniformity
- Suited to Autumn and Spring harvest dependent on location

High Resistance to: Bl 1-31, Nr:0

Sow	Harvest
L Dec to Jan	Autumn
April to June	Spring



WANAKA *Lactuca sativa*

Wanaka has excellent uniformity. Suited to cool season harvest

- Good adaptability and excellent uniformity
- Neat frame and butt. Dark green in colour with some blister
- Medium green head size with consistent heart fill

High Resistance to: Bl 1-16, 19, 21

Sow	Harvest
January to March	E Winter to late Winter

LETTUCE - BABYLEAF / DIRECT DRILL



LEL 2581

Dark red Multileaf



LEL 3856

Dark red Cos, erect.
Good leaf shape



LEL 5693

Multileaf Green Batavia/
Tango



LEL 5695

Multileaf Green Oak



LEL 5718

Dark red Multileaf/Tango
type



LEL 8566

Multileaf. Triple red Lollo
Rossa



LEL 8567

Dark green Batavia. Very
thick cupped leaf.



LEL 8618

Dark green Multileaf.



LEL 8712

Dark green Multileaf.
Good eating.



LEL 9983

Multileaf dark red Oak

LETTUCE - FANCY / HEAD



CRUISER *Lactuca sativa*

Cruiser has tolerance to tip burn and bolting

- Excellent green Lollo Bionda type
- Very vibrant green colour with excellent volume
- Versatile harvest window

High Resistance to: Bl 1-25

Sow	Harvest
All Year	All Year



DESTROYER *Lactuca sativa*

Destroyer is a proven top performer

- Lollo Bionda for year round harvest
- Dome shape, voluminous, uniform. Strong against bolting and tip burn
- Proven top performer

High Resistance to: Bl 1-25, Nr:0

Sow	Harvest
All Year	All Year



EMERALD *Lactuca sativa*

Emerald has a broad thick leaf

- Wide leaf with spiky edge like a Tango type
- Amazing shelf life

High Resistance to: Bl 1-25

Sow	Harvest
All Year	All Year



FREEDOM *Lactuca sativa*

Freedom is for hydroponic or field production

- Double red Lollo Rossa. Easy grow
- Good green to red contrast
- Full, voluminous head suitable for full head production. Good uniformity

High Resistance to: Bl 1-26, Nr:0

Sow	Harvest
All Year	All Year



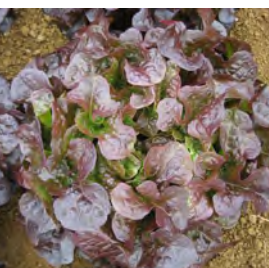
LIBERATION *Lactuca sativa*

Liberation is a triple red Lollo Rossa

- Suitable for full head production
- It has a fine cut scar
- Glossy leaves with some blister

High Resistance to: Bl 1-28, 30, 31, Nr:0, Fol:1

Sow	Harvest
All Year	All Year



RED EPICURE *Lactuca sativa*

Red Epicure has a lovely gloss to the leaves

- Double red oak leaf suitable for full head production
- Good red to green contrast and a full voluminous head
- Reasonably fine lobed, adaptable variety

High Resistance to: Bl 1-31, Nr:0, LMV

Sow	Harvest
All Year	All Year

From Gautier we have a range of Nasonovia resistant lettuces



LETTUCE - FANCY / HEAD



RILEY *Lactuca sativa*

Riley has a lovely gloss to the leaves

- Suitable for both hydroponics and outdoor production
- Beautiful large frame
- Good tight cluster gives heavy weight

High Resistance to: Bl 1-28, 30, Nr:0

Sow	Harvest
All Year	All Year



VERDANT *Lactuca sativa*

Verdant is a green batavia

- Easy to harvest due to butt held off ground
- Dense head producing good weight
- Ideally suited to Spring and Autumn

High Resistance to: Bl 1-32,34, Nr:0 IR to: LMV:1

Sow	Harvest
All Year	All Year



ZUMBA *Lactuca sativa*

Zumba is a green oak

- Shiny mid green oak with nice shape and open heart
- Leaves are uniform medium size
- Good volume
- Outdoor and Hydroponics

High Resistance to: Bl 1-35, Nr:0 IR to: LMV:1

Sow	Harvest
All Year	All Year

LETTUCE - MULTILEAF



RANGI *Lactuca sativa*

Rangi is a triple red colour

- Dark red oak leaf
- Suitable for baby leaf and processing
- Very adaptable, used all year round

High Resistance to: Bl 1-25

Sow	Harvest
All Year	All Year



TINTO *Lactuca sativa*

Tinto is a dark red Chino type

- Multileaf, with small cut scar
- Suitable for baby leaf and processing
- Red on both sides and right to the base

High Resistance to: Bl 1-25

Sow	Harvest
All Year	All Year



TOOT *Lactuca sativa*

Toot is a dark green Italian Oak

- Shiny dark green thick leaves
- Non hearting
- Well suited to processing

High Resistance to: Bl 1-25

Sow	Harvest
All Year	All Year

If any of these lettuces interest you please request a sample

MELON - ROCK

**AZTEC** *Cucumis melo*

Aztec is a sutured melon with high brix

- Sutured melon with mild rosey net and medium small cavity
- Yields well, with good fruit numbers, shipping and storage ability
- Strong vine, good canopy cover
- Great flavour with 12-14°Bx. Weight 1.6-2.0kg

High Resistance to: Fom:0,1,2, Px:1,2, Gc:1,2,

Sow	Harvest
Spring	Summer

**FORTUNE** *Cucumis melo*

Fortune is long shelf life rockmelon with high colour

- Large main season hybrid with long shelf life
- Vigorous plant, very productive, produces fruits with round-oval shape
- Av weight 1.5-1.8kg. Strong net
- Cavity is very small, bright orange flesh and very sweet with 15°Bx

High Resistance to: Fom:0,1,2, Px:1,2, Gc

Sow	Harvest
Spring	Summer

MELON - GALIA

**GREEN INGOT** *Cucumis melo*

Green Ingot is firm and sweet

- Round, tight net and green flesh, medium weight 1.5-2kg
- Vigorous plant, high yielding and medium early maturity
- High brix of 14°Bx. Cavity is medium small

High Resistance to: Fom:0,1,2, Px:1,2, Gc, MNSV

Sow	Harvest
Spring	Summer

MELON - SPECIALTY

**BUDGIE** *Cucumis melo*

Budgie is a canary type, used in Spain

- A beautiful yellow ruffled skinned melon
- White flesh with a sweet fresh taste
- Melon weight 1.8-2kg with 13-14°Bx

High Resistance to: Fom:0,1 IR to: Px:1,2

Sow	Harvest
Spring	Summer

**MERCY** *Cucumis melo*

Mercy is a Piel de Sapo type popular in Spain

- This more suited to main and late season harvest
- Flesh is light green in colour with great flavour
- Extremely high 15-16°Bx and weight 1.8-2.2kg

High Resistance to: Fom:0,1 IR to: Px:1,2

Sow	Harvest
Spring	Summer





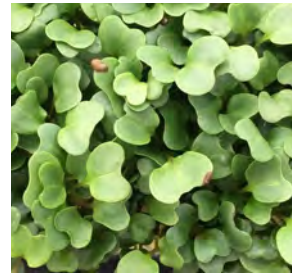
BORAGE



BASIL SWEET



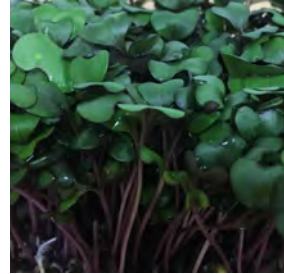
BASIL RED



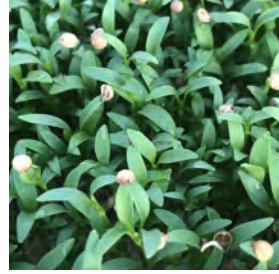
BLACK KALE



BLUE NASTURIUM



CABBAGE REDFIRE



CORIANDER



CRESS GREEK



CRESS LEFROY



DILLBIT



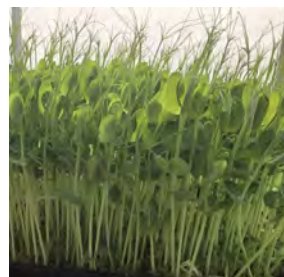
GREEN CHICORY



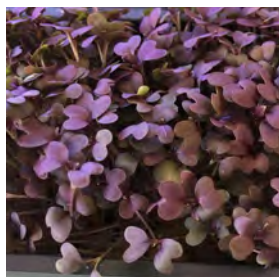
ONION LONGKEEPER



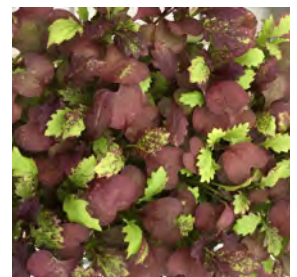
PEA SNOW



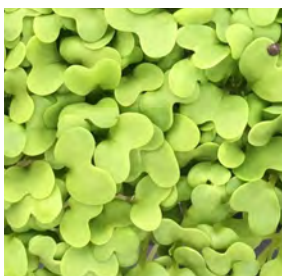
PEA TENDRIL



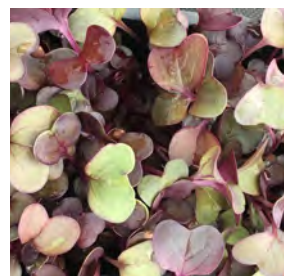
MUSTARD RED DAME



MUSTARD RED BUTTERFLY



MUSTARD WASABI



RADISH SANGO



RADISH REEF



RADISH ROYAL

A selection of our most popular microleaf products - many more in stock so please ask if you are looking for something not listed.

ONION - BULBING

**ASHWIN F1 *Allium cepa***

Ashwin is bronze/copper in colour

- Approximate maturity one week earlier than ELK types
- Nice globe shape, good skin numbers and skin retention
- This onion is firm has good storage potential, up to 5-6 months

Sow	Harvest
15 May to 20 July	December to January

**CARBIDE *Allium cepa***

Carbide has excellent uniformity and yield

- Approximate maturity one week earlier than PLK types
- Ability to produce excellent yields because of its strong vigour and above average tolerance to Downy Mildew
- This onion has excellent shipping and long storage capabilities

Sow	Harvest
20 July to 30 August	February to March

**COMET F1 *Allium cepa***

Comet is an early type with excellent colour

- Fits in the Ayoba sowing segment but is 7-10 days earlier
- Very firm, with good skin retention and skin numbers. Excellent colour
- Medium storage

Sow	Harvest
10 May to 10 June	December to January

**DRAVID F1 *Allium cepa* NEW**

Draavid is a first early overwintering type with excellent colour

- Mid brown in colour and a slightly flattened globe shape
- Firm, with good skin retention and skin numbers
- Storage 2-2.5 months

Sow	Harvest
Late April to 15 May	Late Nov to December

**KOHLI F1 *Allium cepa***

Kohli has a bronze to straw brown colour

- Hybrid short day, May sowing
- Granex to high round globe of medium size
- Storage 2-2.5 months

Sow	Harvest
May	December

**OHB 7219 F1 *Allium cepa***

OHB 7219 is an early-mid short day type

- Similar sowing and harvest window to Kohli
- Matures slightly earlier than Kohli
- Has slightly better shape and skin retention
- Storage 2-2.5 months

Sow	Harvest
Early May to late May	L November to December

Every one of the varieties in this catalogue has been tested by us under New Zealand climatic conditions.

ONION - BULBING



RED PLANET F1 *Allium cepa*

Red Planet is a great overwintering/short day red onion

- Very uniform in size with good skins
- Excellent red colour, both internally and externally
- Medium-large in size with a slightly flat shape
- Surprisingly firm with 2 good skins

Sow	Harvest
Late April to May	Late Nov to Dec

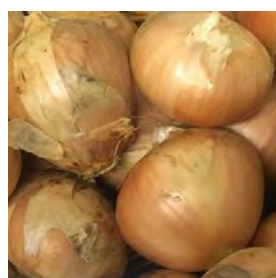


RED ORB F1 *Allium cepa*

Red Orb is a PLK type with excellent colour and storage

- Matures 7 days earlier than similar hybrids sown same period
- Very uniform in size with thick good quality skins
- Consistent globe shape, firm bulbs and stores 6+ months
- Great colour, dark red external with good internal dark red

Sow	Harvest
10 August to 10 Sept	February to March



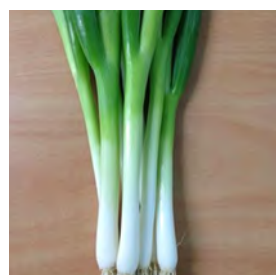
SOCHO F1 *Allium cepa*

Socho is a early-mid short day type

- Medium-light straw brown coloured skins
- Mild sweet flavour
- Firm, flat to globe shape with minimum of 2 good skins
- Storage 1-2 months

Sow	Harvest
Mid April to mid May	Late Nov to Dec

ONION - BUNCHING



ENDURANCE *Allium fistulosum*

Endurance is versatile for year round harvest

- Handles Summer heat and Winter cold!
- Excellent length of white stem topped with dark green leaf
- Hardy variety with resistance to splitting

High Resistance to: Pd

Sow	Harvest
All Year	All Year

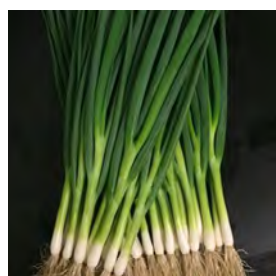


FROZEN F1 *Allium fistulosum*

Frozen is an excellent cool season harvest hybrid

- This hybrid variety is very vigorous
- Dark green blue leaf with good length
- Beautiful shank length and easy peel
- Excellent uniformity

Sow	Harvest
Mid Feb to mid June	June to late Oct



POLAR F1 *Allium fistulosum*

Polar is virtually a 12 month harvest hybrid

- Extremely uniform plants
- Blue green foliage, erect
- Good stem length, white and easy peel

Intermediate Resistance to: Pd

Sow	Harvest
All Year	All Year



PEA - GARDEN

**GREEN FEAST *Pisum sativum***

Green Feast has even pods and excellent flavour

- An all-time favourite heirloom pea!
- Main season variety producing very heavy crops of large 9cm pods
- Plants need the support of crossed stick or mesh to grow into

Sow	Harvest
Spring	Summer

**MASSEY *Pisum sativum***

Massey is the market standard

- Early dwarf style garden pea with pointed pods
- Widely adaptable, popular variety
- An excellent cropper that doesn't require staking

Sow	Harvest
Spring	Summer

**WELLEND *Pisum sativum***

Wellend is a medium small baby garden pea

- Sweet, crisp and juicy
- Good pod numbers per plant and 6-9 peas per pod
- Some disease tolerance to Powdery mildew

Sow	Harvest
Spring	Summer

PEA - SNOW

**LINCOLN *Pisum sativum***

Lincoln is for main and late season harvest

- Harvest main & late season
- Vigorous vine with fruit set high on plant
- 100mm x 28mm medium to dark green refined pods

High Resistance to: Ep

Sow	Harvest
Spring	Summer

**SUGAR SNAP *Pisum sativum***

Sugar Snap has a shiny green pod

- Green 8.5cm smooth stringless fleshy pod
- Pick when pods are immature for maximum sweetness
- Requires staking

High Resistance to: Ep

Sow	Harvest
Spring	Summer

**WASHINGTON *Pisum sativum* NEW**

Washington has very sweet, crunchy stringless pods

- Bright green glossy 100-120mm x 15mm stringless pod
- Medium strong vigorous vine with good pod set
- Main or late season, or early in Upper North Island regions

Intermediate Resistance to: Ep

Sow	Harvest
Spring	Summer



PUMPKIN



Hybrid Seed Company New Zealand Ltd

PUMPKIN



INVINCIBLE *Cucurbita maxima*

Invincible has excellent yield

- This variety weighs between 3-4kg and has excellent storage
- Producing a battleship grey fruit with a small blossom scar and seed cavity
- *Invincible* has a shorter vining habit
- We recommend this follows on from *Pacific King* in your sowing program

Sow	Harvest
Spring	Summer

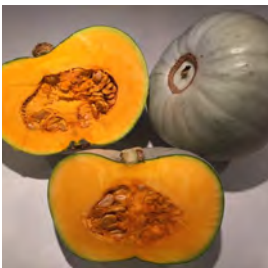


PACIFIC KING *Cucurbita maxima*

Pacific King is an excellent early and main season variety

- Produces a battleship grey fruit weighing 3-3.5kg
- Small blossom scar and seed cavity. A very adaptable pumpkin
- Excellent internal orange colour
- *Pacific King* has excellent storage ability

Sow	Harvest
Spring	Summer



SOVEREIGN *Cucurbita maxima*

Sovereign is a main season variety

- Battleship grey with a good internal orange colour
- Fruit weigh 3.5-5kg with a smooth skin. Potential for cutting
- Good storage ability, small cavity and a deep fleshy shoulder

Sow	Harvest
Spring	Summer



TUDOR PRINCE *Cucurbita maxima*

Tudor Prince has a main season maturity similar to *Invincible*

- *Invincible* fruit type and texture but slightly deeper in shape
- *Tudor Prince* is a vining type with slightly more ribbing, darker grey in colour
- Fruit weigh 3-4kg
- *Tudor Prince* stores well and has excellent internal colour

Sow	Harvest
Spring	Summer



WINDSOR *Cucurbita maxima*

Windsor is our largest pumpkin

- Especially suited for cutting
- *Windsor* has a battleship grey exterior with well defined ribs
- Excellent internal colour, high shoulder, small cavity
- Strong vigorous plant. Harvest main to late season. 4-5.5kg

Sow	Harvest
Spring	Summer

RADISH - ROUND



PURPLE PEARL *Raphanus sativus*

Purple Pearl has a deep purple colour - stunning!

- Something a bit different
- Plant vigour is strong with good tops that present well
- Roots are uniform round. All year round production
- Good field tolerance to disease

Sow	Harvest
All year	All Year



RADISH

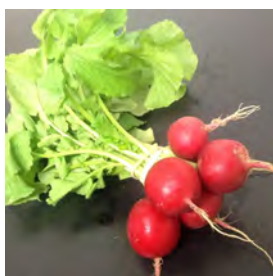
RADISH - ROUND

**SUMMER RED *Raphanus sativus***

Summer Red is slow to develop pithy centers

- Cherry belle type with bright red roots and a globe to round shape
- Short tops. Good for bunching
- Can be harvested even when roots become larger
- Suited to late Spring through to late Autumn harvest

Sow	Harvest
July to February	October to April

**SUPER RED *Raphanus sativus***

Super Red has a very uniform size for Winter harvest

- Strong topped variety for Winter and Spring harvest
- The root is round, red and very uniform in size
- Will not go pithy too early unlike other radishes
- Attractive bunched vegetable

Sow	Harvest
March to July	May to October

**YELLOW GLOBE *Raphanus sativus***

Yellow Globe has a sandy yellow colour

- F1 giving uniform size and maturity
- Performs very well for Winter and Spring harvest. All year round production
- Strong plant with good pith tolerance

Sow	Harvest
All Year	All Year

RADISH - FRENCH BREAKFAST

**ROUGE *Raphanus sativus***

Rouge can be machine harvested

- Cylindrical bright red radish with white tip
- Good for processing
- Easy to bunch
- Mild flavour

Sow	Harvest
Spring to Summer	Summer to Autumn

RADISH - DAIKON

**MINOWASE No. 1 *Raphanus sativus***

Minowase is tolerant to heat

- Length 30-35cm
- Diameter 7-8cm
- Most popular fully white variety

Sow	Harvest
Spring to Summer	Summer to early Winter

**ONOSAN *Raphanus sativus***

Onosan is best in our range against bolting

- Cylindrical root 25-28cm with green shoulder
- For Autumn sowing
- Best variety against bolting

Sow	Harvest
Autumn to mid Winter	Winter to early Spring

We are not just seed sellers; we look, listen, evaluate, and provide the best advice we can based on our knowledge.

RADISH - DAIKON



SNOW CAP *Raphanus sativus*

Snow Cap is good quality and slow bolting

- Autumn (Winter under cover) and Spring sowing
- Very slow bolting and very good quality
- The root is up to 32cm long, white with slight green shoulder

Sow	Harvest
Autumn to Spring	Late Spring to Summer



SPARTA *Raphanus sativus* **NEW**

Sparta is a white long with a slight green shoulder

- Slow bolting variety. Trial into winter harvest also
- Vigorous, 7-8cm diameter and 30-35cm long
- 0.8-1.0kg weight

Sow	Harvest
E Spring to Summer	Summer to Autumn



TROY *Raphanus sativus*

Troy is a high quality long white daikon

- Long, all white root with a tapered end
- Slow bolting with excellent uniformity
- Up to 40cm long x 6cm diameter

Sow	Harvest
Autumn and Winter	Winter and Spring



ROOTSTOCK



CANDYSTOCK *Cucurbita maxima*

Candy Stock for seeded and seedless watermelon and cucumber

- Squash rootstock, vigorous, excellent disease tolerance
- Very popular line for grafting to a wide range of Cucurbita species
- Easy growing

High Resistance to: Fusarium

Sow	Harvest
Spring	



ROYALSTOCK *Lagenaria siceraria*

Royal Stock for seeded and seedless watermelon

- Gourd rootstock, excellent disease tolerance
- Easy growing

Medium-High Resistance to: Fusarium

Sow	Harvest
Spring	

SPINACH - BABY LEAF AND BUNCHING

Spinacia oleracea**AMADOR**

Shoulder, smooth, dark green thick leaf, erect. Babyleaf.

High Resistance to: Pf 1-15,17

**BASSOON**

Processing variety. Good cool tolerance. Can be sown March-April for Spring harvest.

High Resistance to: Pf 1-12,14,15

**MONZA**

Summer variety for sowing September through to April that is slow bolting with thick round leaves. Outstanding performer. Processing, bunching or baby leaf.

HR to: Pf 1-7,9,11-13,15 *IR:*8,10,16

**PV 1028**

Summer, smooth oriental leaf type semi erect, dark green leaf. Bunching or babyleaf.

High Resistance to: Pf 1-12,14-16

**PV 1374**

Winter, smooth leaf type with erect, dark green leaf. Bunching or babyleaf.

High Resistance to: Pf 1-12,14,15

**PV 1423**

Winter. Oriental leaf. Improved yield over Harp. Bunching or babyleaf.

High Resistance to: Pf 1-12,14-16

**SIoux**

Shoulder /Summer but proving to be a very versatile variety. Thick leaf, good colour. Semi savoy. Babyleaf

High Resistance to: Pf 1-15,17

**AZTEC**

Shoulder, slight blister, erect. Good gloss. Babyleaf.

High Resistance to: Pf 1-15,17

**HARP**

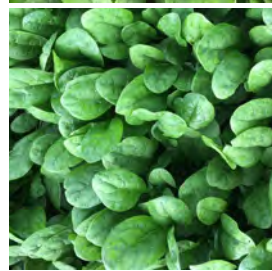
Outstanding Winter variety. Oriental - very erect, dark green with good uniformity and leaf thickness. Smooth Leaf. Processing, bunching or baby leaf.

High Resistance to: Pf 1-12,14-16

**PV 1026**

Summer, smooth oriental leaf type semi erect, dark green leaf. Bunching or babyleaf.

High Resistance to: Pf 1-12,14-16

**PV 1372**

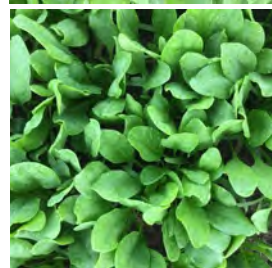
Winter, smooth leaf type with an erect, very dark green leaf. Bunching or babyleaf.

High Resistance to: Pf 1-10,15

**PV 1422**

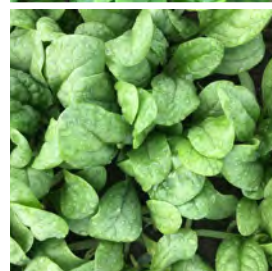
Winter, smooth leaf type with an erect, very dark green leaf. Fast. High yielding. Bunching or babyleaf.

High Resistance to: Pf 1-9,11-16

**PV 1435**

Shoulder, oriental. Erect, thick leaf, good colour. Bunching or babyleaf.

High Resistance to: Pf 1-15,17

**YUMA**

Summer/Shoulder. Semi savoy leaf, thick leaf. Babyleaf.

High Resistance to: Pf 1-15,17

SPINACH - BABY LEAF AND BUNCHING

SPINACH - QUICK REFERENCE GUIDE						
	VARIETY	LEAF	Baby leaf	Bunching	Processing	DISEASE RESISTANCES
SUMMER	MONZA	SMOOTH	*	*		HR: Pfs 1-7,9,11-13,15 IR: Pfs 8,10,16
	PV 1026	ORIENTAL	*	*		HR to Pf 1-12,14-16
	PV 1028	ORIENTAL	*	*		HR to Pf 1-12,14-16
	YUMA	SAVOY	*			HR to Pf 1-15,17
WINTER	BASSOON	SMOOTH		*	*	HR to Pf 1-12,14-16
	PV 1422	ORIENTAL	*	*		HR to Pf 1-9,11-16
	PV 1423	ORIENTAL	*	*		HR to Pf 1-12,14-16
	HARP	ORIENTAL	*	*	*	HR to Pf 1-12,14-16
	PV 1372	SMOOTH	*	*		HR to Pf 1-10,15
	PV 1374	SMOOTH	*	*		HR to Pf 1-12,14-16
SHOULDER	AMADOR	SMOOTH	*			HR to Pf 1-15,17
	AZTEC	SEMI SAVOY	*			HR to Pf 1-15,17
	PV 1435	ORIENTAL	*	*		HR to Pf 1-15,17
	SIoux	SEMI SAVOY	*			HR to Pf 1-15,17



SQUASH - ASIAN



JADE, BITTER MELON *Momordica charantia*

Jade is popular for Indian cuisine

- This hybrid variety is early (55-65 days), vigorous, and easy fruiting
- The bright green rind is very warty
- Fruits are 30cm long, with a diameter 6-7cm and weigh 600-700gm
- Suitable for salads and cooking

Sow	Harvest
Spring	Summer



PATINA, BITTER MELON *Momordica charantia*

Patina is often referred to as Balsam Pear

- This hybrid is early, vigorous and easy fruiting
- Fruits are beautifully shaped, 25cm long by 7cm wide, weighing up to 600gm

Sow	Harvest
Spring	Summer

SQUASH

**KOISURU MARRON** *Cucurbita maxima*

Koisuru Marron is a dry fleshed Ajihei type

- Dry fleshed Ajihei type
- Used predominately for export
- Adaptable and can be used for fresh market

Sow	Harvest
Spring	Summer

**KURIFRESH** *Cucurbita maxima*

Kurifresh is a mid range dry type

- Strong vining, mid maturity type
- Fruit 1.5-2kg and deep flat in shape, great flavour
- Excellent external black colour and bright yellow internal colour

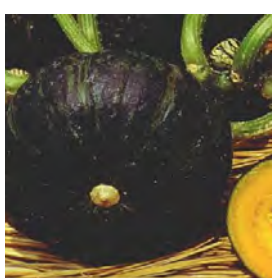
Sow	Harvest
Spring	Summer

**SUPERMARKET SELECT** *Cucurbita maxima*

Supermarket Select has excellent storage

- A high round, dark green main season supermarket squash
- Excellent yielding and slow to turn orange
- Reputable strain with strong market support

Sow	Harvest
Spring	Summer

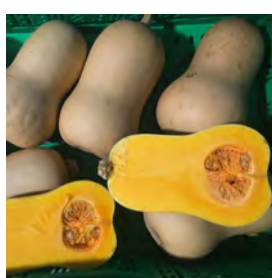
**SWEET MAMA** *Cucurbita maxima*

Sweet Mama is excellent for the early harvest market

- Semi bush buttercup squash
- Dark fruit, and early maturing
- Sweet with a deep yellow internal colour

Sow	Harvest
Spring	Summer

SQUASH - BUTTERNUT

**T-REX F1 BUTTERNUT** *Cucurbita moschata*

T-Rex is a very uniform hybrid butternut

- Excellent yielding main season variety, 10% + over OP lines
- Longer neck and smaller seed cavity than OP lines
- Strong vining plant with good fruit set
- Fruit weigh 1.2-2.3kg. Very good storage 3-6 months

Intermediate Resistance to: Px

Sow	Harvest
Spring	Summer

**WALTHAM BUTTERNUT** *Cucurbita moschata*

Waltham Butternut has superior uniformity

- An excellent strain of Waltham selected under strict criteria
- Fruit uniformity superior to other strains, 1.5-2kg
- 4 months storage

Sow	Harvest
Spring	Summer

Changes to MPI import regulations for all *Cucurbita* species may cause some changes to available products as testing for CGMMV & KGMMV (Cucumber & Kyuri Green Mottle Mosaic Viruses) are now required.

SWEETCORN - YELLOW



GALAXY *Zea mays*

Galaxy is a main season supersweet yellow

- Brilliant yellow colour and excellent taste
- Refined cob with good tip fill and husk cover
- Strong plant

High Resistance to: Ps, Et,

Sow	Harvest
October to December	February to April



ZHY 3006 *Zea mays*

ZHY 3006 is a main season supersweet yellow

- Well presented with great flavour
- 20cm cob with slight taper and excellent colour
- Strong plant, good foliage and husk cover

High Resistance to: Ps

Sow	Harvest
October to December	February to April

SWEETCORN - BICOLOUR



NIRVANA *Zea mays*

NEW

Nirvana has early maturity and a wide harvest window

- Excellent eating quality with sweet, creamy kernels
- Nice 20cm cob with good tip fill, husk cover and flag leaf
- Strong medium size plant and easy snap for hand pick

Intermediate Resistance to: Ps, Et, MDMV

Sow	Harvest
Sept to December	L January to L April



STARTER *Zea mays*

Starter is an excellent early and main season supersweet bicolour

- Brilliant bi-colour and excellent taste
- Nice 18-20cm cob with good tip fill, husk cover and flag leaf
- Strong plant, easy to pick

High Resistance to: Ps

Sow	Harvest
Sept to December	January to late April

POPCORN



BUTTERFLY - R502 *Zea mays everta*

- High expansion of 50+ MWVT. Strong plant with excellent disease resistance

High Resistance to: Ps, Et, GLS

Sow	Harvest
Spring	Summer



BUTTERFLY - R128YH *Zea mays everta*

- Gourmet eating popcorn with minimum hull
- Mid-high expansion of 44 MWVT

Sow	Harvest
Spring	Summer



MUSHROOM - R400MR *Zea mays everta*

- A superior mushroom variety

High Resistance to: Ps, Et, GLS

Sow	Harvest
Spring	Summer

For more technical information on popcorn please contact your local sales manager

For more information visit www.lefroyvalley.co.nz or phone 0800 LEFROY (533 769) to talk to our specialist sales team

TOMATO - OUTDOOR

**ARENA IMPROVED (Determinate) *Solanum lycopersicum***

Arena is an outdoor roma

- Mid-early season variety, wide adaptability
- Vigorous bush with good fruit cover and excellent setting
- Intense red colour, thick flesh, average fruit weight 120gm

High Resistance to: Va:0, Vd:0, Fol:0,1 IR to: Ma, Mi, Mj

Sow	Harvest
Spring	Summer

**BARONESS (Indeterminate) *Solanum lycopersicum***

Baroness has a vigorous plant with good foliage cover

- Firm deep red, globe shaped 160-180gm uniform fruit
- Sets easily giving high fruit numbers
- For open field staked or trellis cultivation or low input greenhouse

High Resistance to: ToMV:0, Fol:0,1, For, IR to: TLYCV, Ma, Mj

Sow	Harvest
Spring	Summer

**BRIDAL (Determinate) *Solanum lycopersicum***

Bridal is grown outdoors

- Mid-early season variety
- Vigorous bush with good fruit cover and excellent setting ability
- Firm flesh, deep round shape. Long shelf life. Fruit weigh 150-180gm

High Resistance to: Va:0, Vd:0, Fol:0,1 IR to: Ma, Mi, Mj

Sow	Harvest
Spring	Summer

**EMBER (Indeterminate) *Solanum lycopersicum***

Ember is a round cherry with good colour

- Indeterminate round cherry on fishbone truss
- 12 + fruit per truss averaging 20-25gm per fruit
- Short internodes. Medium early. Long shelf life

High Resistance to: ToMV:0, Fol:0,1, Pst, Ma, Mi, Mj

Sow	Harvest
Spring	Summer

**SWEETGOLD (Indeterminate) *Solanum lycopersicum***

Sweetgold is a beautiful yellow cherry plum

- Great colour for salads, flavorful with 10-11°Bx
- Wide trusses, 20-25gm fruit reasonably tolerant to cracking
- For outdoor or covered crops

High Resistance to: ToMV:0, Fol, Va:0, Vd:0, Ma, Mi, Mj

Sow	Harvest
Spring	Summer

**RHODES (Determinate) *Solanum lycopersicum***

Rhodes is very productive

- Large round deep red fruit averaging 200gm
- Good firmness and texture
- Mid-early maturity. Tends to be semi determinate in hot conditions

High Resistance to: ToMV:0-2, Fol:1-2, Va:0, Vd:0 IR to: TLYCV, Ma, Mi, Mj

Sow	Harvest
Spring	Summer



TOMATO - INDOOR SNACKING (Indeterminate)



BELLACIO (Mini Plum) *Solanum lycopersicum*

Bellacio is a high yielding baby plum

- High flavour with 9-10°Bx, excellent colour
- 12 + fruit per truss averaging 12-15gm each, great for snacking
- For loose crop production indoors

High Resistance to: ToMV:0-2,Fol:0, For, Ff:1-5 IR to: Ma, Mi, Mj

Sow	Harvest
All Year	All Year



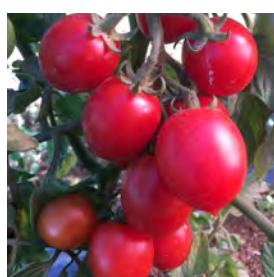
DELICASSI (Mini Plum) *Solanum lycopersicum*

Delicassi is a cylindrical plum shape

- 10 + fruit per truss averaging 20-25gm each, truss or loose pick
- Excellent 8°Bx, very firm, very bright red fruit
- For indoor production

High Resistance to: ToMV:0, Fol:0,1, Va:0, Vd:0, For, Ff:1-5 IR to: Ma, Mi, Mj

Sow	Harvest
All Year	All Year



EXQUISITE (Mini Plum) *Solanum lycopersicum*

Exquisite is sugar sweet plum cherry

- Cute shaped plum cherry
- Can be picked as a truss with average weight of 10-15gm each
- Bright red glossy fruits, 8-9°Bx, good flavour and texture

High Resistance to: ToMV:0, Fol:0, IR to: Ma, Mi, Mj

Sow	Harvest
All Year	All Year



NIGELLA (Cocktail) *Solanum lycopersicum*

Nigella is a brown cocktail tomato

- Early maturing, loose pick 25-30gm brown cocktail
- Lovely colour addition in a mixed pack
- Award winning Farmers Market variety

High Resistance to: ToMV:0

Sow	Harvest
All Year	All Year



RAZOLO (Mini Plum) *Solanum lycopersicum*

Razolo is a orange cherry plum

- Beautiful orange colour 10-14gm
- Lovely colour addition in a mixed pack
- Nice fruity flavour with good fruit quality

High Resistance to: Va:0,Vd:0, Fol:0

Sow	Harvest
All Year	All Year



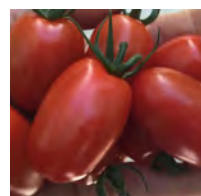
SWEEDOR (Cherry Speciality) *Solanum lycopersicum*

Sweedor is a delicious yellow cherry

- Round cherry on fishbone truss, excellent uniformity
- Can be picked as a truss with average weight of 12-14gm each
- Deep yellow colour fruits with good Brix and flavour

High Resistance to: ToMV:0-2, Va:0, Vd:0 Fol:0, Ff:1-5 IR to: Ma, Mi, Mj

Sow	Harvest
All Year	All Year



TOMATO - SNACKING (Indeterminate)

**SWEETHEART (Mini Plum Speciality)**

Sweetheart is a heart shaped red cherry, with excellent resistance package

- Deep red oval cherry with nipple, on fishbone truss of 10-12 fruit, 30-35gm
- Early maturity. Strong vigorous plant. Excellent uniformity
- Greenhouse or tunnel cropping

High Resistance to: ToMV:0-2, Va:0, Vd:0 Fol:0,1, Ff:1-5,TSWV IR to: TLYCV, Ma, Mi, Mj

Sow	Harvest
All Year	All Year

**TWIXIA (Cherry Speciality) *Solanum lycopersicum***

Twixia is a brown cherry suitable for truss harvest

- Round cherry on fishbone truss, excellent uniformity
- 12-15 fruit per truss averaging 15-25gm each
- Very good flavour

High Resistance to: ToMV:0-1, Fol:0,1,IR to: Ma, Mi, Mj

Sow	Harvest
All Year	All Year

TOMATO - SPECIALITIES (Indeterminate)

**CRIMPY (Oxheart) *Solanum lycopersicum***

Crimpy is referred to as an Oxheart type

- Firm, pear shaped fruits with crimped top
- Low acid
- Average weight 180-200gm

High Resistance to: : ToMV:0-2, For, Va:0, Vd:0,TSWV:0

Sow	Harvest
All Year	All Year

**KAKAO (Speciality) *Solanum lycopersicum***

Kakao is a dark brown tomato full of flavour

- Very vigorous plant
- Slightly flattened globe, good shelf life fruit 130-150gm
- Suited to year round growing under shelter

High Resistance to: ToMV:0-2, Fol:0, Vd:0,

Sow	Harvest
All Year	All Year

**MARIGOLD, MARNERO, MARSIL (Heirloom)**

Marigold - Yellow, *Marnero* - Black, *Marsil* - Red are large ribbed tomato

- 190-250gm ribbed fruit
- Prune to 3 fruits to maintain size

High Resistance to: ToMV:0-2, Fol:0,1, Va:0, Vd:0, For

Sow	Harvest
All Year	All Year

**MIMOSA (Indeterminate) *Solanum lycopersicum***

Mimosa is an eye-catching yellow truss variety

- Intense yellow, round average 120gm uniform fruit
- 5-6 fruit per truss
- Excellent shelf life

High Resistance to: ToMV:0-2, Fol:0,1, For, Va:0, Vd:0

Sow	Harvest
All Year	All Year

Cherry, grape, plum, pear, elongated, san marzano, cocktail, gourmet, globe, oblate, oval, roma, beef, ribbed, heirloom, ox-heart, truss, loose pick

TOMATO - INDOOR ROMA (Indeterminate)



CORIN (Roma) *Solanum lycopersicum*

Corin has 100-110gm oval, low acid, firm fruit

- Low susceptibility to blossom end rot
- Resistance to leaf mold results in healthy foliage
- 110-110gm oval firm fruit, on close spaced trusses. No nipple

High Resistance to: ToMV:0-2, Fol:0,1,TSWV:0, Va, Vd, For, Ff:1-5 IR to: Ma, Mi, Mj

Sow	Harvest
All Year	All Year



PRUNAXX (Roma) *Solanum lycopersicum*

Prunaxx has 100-120gm oval, low acid, firm fruit

- High yield of good colour and quality fruit
- Strong plant that is easy to balance
- 5-6, 110-120gm oval fruit per truss

High Resistance to: ToMV:0-2, Fol,TSWV:0, Va:0, Vd:,0, Ff:1-5, IR to: On

Sow	Harvest
All Year	All Year

TOMATO - INDOOR ROUND (Indeterminate)



JAXINE (Gourmet) *Solanum lycopersicum*

Jaxine is for loose or truss harvest

- Very strong plant with excellent setting and early fruit maturity
- Deep round, long shelf life fruit 140-160gm on jointless truss
- High total yield with exceptional skin quality
- Suited to year round growing in heated greenhouse

High Resistance to: ToMV:0-2, Fol:0,1, Va:0, Vd:0, For, Ff:1-5 IR to: On

Sow	Harvest
All Year	All Year



MARNAX (Beef) *Solanum lycopersicum*

Marnax is a large sized tomato for loose and cluster harvest

- Strong plant with regular fruit setting
- Slightly flattened, long shelf life fruit 160-200gm on jointless truss
- Strong against cracking, good internal fruit structure
- Suited to year round growing in heated greenhouse

High Resistance to: ToMV:0-2, Fol:0,1, Va:0, Vd:0, For, Ff:1-5

Sow	Harvest
All Year	All Year



NATYSSA (Gourmet) *Solanum lycopersicum*

Natyssa is a round tomato for loose harvest

- Vigorous plant with regular fruit setting
- Round red uniform fruit 140-160gm
- Very high yield, long shelf life

High Resistance to: ToMV:0-2, Fol:0,1, Va:0, Vd:0, For, Ff:1-5,TSWV, IR to: TYLCV, Ma, Mi, Mj

Sow	Harvest
All Year	All Year



TMI 8757 (Gourmet) *Solanum lycopersicum*

TMI 8757 is a round tomato for loose harvest with high resistances

- Strong plant, very adaptable
- Intense red round red fruit 150-160gm, uniform clusters
- Adaptable to handle heat in Summer and cooler greenhouse temperatures in Winter

High Resistance to: ToMV:0-2, Fol:0,1, Va:0, Vd:0, For, Ff:1-5,TSWV, IR to: TYLCV, Ma, Mi, Mj

Sow	Harvest
All Year	All Year

determinate, indeterminate, red, pink, yellow, orange, brown, black, striped
- are all words that describe tomatoes within our range.

TURNIP

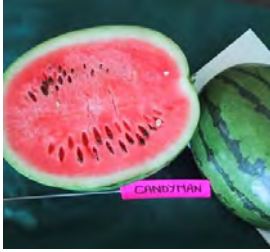
**WHITE MOON** *Brassica rapa*

White Moon has a smooth white skin

- White round turnip 50-60mm diameter
- Good uniformity. Smooth skin
- Easy pull

Sow	Harvest
All Year	All Year

WATERMELON - SEEDED

**CANDYMAN** *Citrullus lanatus*

Candyman has a dark green stripe on a fresh green background

- Dark fresh external skin markings and a deep red contrasting flesh
- Main season variety which has excellent shelf life
- Has a tough skin to handle washing and transport
- Fruit weight is 3-5kg with excellent yield

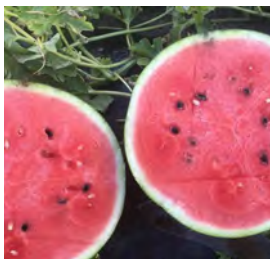
Sow	Harvest
Spring	Summer

**CANDYSTORE** *Citrullus lanatus*

Candystore is the market standard

- Family fun type. Oblong striped watermelon
- Vigorous high yielding variety with average fruit weight of 3-5kg dependent on plant density
- Concentrated fruit set of consistent shape and very good internal texture

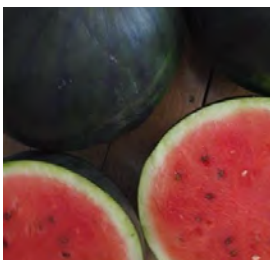
Sow	Harvest
Spring	Summer

**SUGARCRUNCH** *Citrullus lanatus* **NEW**

Sugarcrunch is very sweet

- When ripe Sugarcrunch has a 12-14°Bx
- Round melon with Sugarbelle rind type
- Very dark green with black stripe, almost appearing black. 3.5-4.5kg
- Yield comparable with market standard

Sow	Harvest
Spring	Summer

**SUGARSWEET** *Citrullus lanatus*

Sugarsweet is a Sugarbelle type with high brix

- When ripe Sugarsweet has 13°Bx
- Round melon with Sugarbelle rind type
- Very dark green with black stripe, almost appearing black. 3.5-6kg
- Yield comparable with market standard

Sow	Harvest
Spring	Summer

WATERMELON - SEEDLESS

**RED GEM** *Citrullus lanatus*

Red Gem has excellent flavor, firm flesh and high brix

- Good yields of mid maturing fruit 4-6kg
- Blocky round, black slightly striped rind, deep red firm flesh
- High 12-14° Bx, crisp, excellent flavour and some tolerance to Hollow Heart
- Very uniform, consistent and firm flesh

Sow	Harvest
Spring	Summer

**We have a large range of different size, shape and colour of Watermelons
so please enquire if you are looking for something not listed.**

WATERMELON - SEEDLESS



RED JEWEL *Citrullus lanatus*

Red Jewel has excellent flavour and high brix

- Good yields of mid maturing fruit. 4-6kg
- Blocky round, black slightly striped rind, deep red firm flesh
- High 12-14° Bx, crisp, excellent flavour and some tolerance to Hollow Heart
- Very uniform, consistent and firm flesh

Sow	Harvest
Spring	Summer

WATERMELON

ZUCCHINI

ZUCCHINI - GREEN



BALLISTIC *Cucurbita pepo*

Ballistic produces a high number of top grade fruit

- Excellent mid-dark green fruit
- Easy pick with open habit and medium sized plant
- Suited to Spring to Autumn harvest
- Also grown undercover early and late

High Resistance to: Px, ZYMV

Sow	Harvest
June to February	September to May



BAZOOKA *Cucurbita pepo*

Bazooka has an open plant with a vigorous vine and excellent virus resistance

- Straight mid-dark green fruit, small blossom scar
- Quick to pick with open habit and compact plant
- Fruit swells evenly along its length, high yield
- Suited to Summer to Autumn harvest, dependent on region

High Resistance to: PRSV, ZYMV, CMV, WMV, Px

Sow	Harvest
October to February	December to May



VELOCITY *Cucurbita pepo*

Velocity has dark green fruit

- Strong growing plant, vigorous vine. Good fruit setting ability
- Open plant, erect and easy to pick. Fruit are straight, medium to dark green
- Slightly longer than Ballistic and has a smaller blossom end scar

High Resistance to: Px, ZYMV, CMV

Sow	Harvest
September to February	November to May

ZUCCHINI - SCALLOPINI



PLUTO *Cucurbita pepo*

Pluto is an attractive yellow with small blossom scar

- Robust high yielding variety with a strong plant and sprawling habit
- Fruit are an attractive yellow saucer shape, deep scalloped edges, small blossom scar
- Maintains uniform shape throughout the harvest period
- No genetic virus resistance but vigour allows for extended harvest

Sow	Harvest
Spring	Summer



PLUTONIUM *Cucurbita pepo*

Plutonium has a unique yellow stem

- Very similar fruit to Pluto
- Has a yellow stem. Very unique!

Sow	Harvest
Spring	Summer

ZUCCHINI - BALL

**CROQUET** *Cucurbita pepo*

Croquet is a light green colour

- Light green fruit
- Good plant vigour, uniformity and yield
- For covered or outdoor production

Sow	Harvest
Spring	Summer

**LACROSSE** *Cucurbita pepo*

Lacrosse is a bright yellow

- Bright yellow round zucchini
- Vigorous plant for covered or outdoor production
- Easy picking. May struggle in high heat

Sow	Harvest
Spring	Summer

**PETANQUE** *Cucurbita pepo*

Petanque has superior uniformity

- Shiny dark green round fruit
- Early maturity, easy picking and excellent shelf life
- For covered or outdoor production

Sow	Harvest
Spring	Summer

FERTILISER

**PERLKA**

Perlka is a granular Nitrogen and Calcium source to enhance both plant health and yield

- Fertiliser effect—slow release nitrogen and lime
- Soil health—Direct benefits—increase in microbial activity, prevention of soil borne fungal diseases, weed suppression, inhibition of spore germination e.g. clubroot—giving effective control
- Soil health—Indirect benefits—enhanced decomposition of organic matter, increase in nonpathogenic fungus (e.g. *Penicillium spp.*), and improved soil structure (lime effect 50% CaO)

Healthy soils = stronger plants



Lefroy Valley are members of the following organisations associated with our industry and adhere to their standards and quality systems:



Vegetable Seed Sowing Guide

Vegetable Species	Seeds per Gram	Approx Quantity required per 100 m (Grams)	Seed required per Hectare		Approximate planting distance		Optimum Germination Conditions		Average Marketable Yield (Tonnes/Ha)	Usual Crop Maturity (Days)	Planting Depth (Cm)
			Direct Sowing (KG)	Transplant (Grams)	Between Rows (cm)	Apart in Row (cm)	Soil Temp (Degree C)	Emergence Time (Days)			
Beans Dwarf	4-7	495	60		50-75	7-10	16-30	7	10-15	60-90	4
Beans Runner	4	231	70-90		100	10-15	16-30	7	10-15	60-90	4
Beetroot	40-60	50	10		25-40	5-10	10-30	8	25	55-65	2
Broccoli	160-240	17	1	150	60-90	30-60	10-30	8	12	65-120	1.5
Brussels Sprout	180	17	1	150	60-90	30-60	10-30	8	12	120-150	1.5
Cabbage	190-300	17	1	200	60-90	30-60	10-30	8	20-25	60-120	1.5
Chinese Cabbage	190-300	17	1	150	50-60	40-45	10-30	7	18	63-70	1.5
Capsicum	150-180	17	1-3	100	60-90	30-60	20-30	10	15	65-85	1
Carrot	450-900	17	2.5-3		25-40	2-5	10-30	8	25-70	70-120	1.5
Cauliflower	190-250	17	1	150	60-90	30-70	10-30	8	15-20	100-160	1.5
Celery	1500-2500	17		250	30-40	20-40	16-20	12	40	85-120	0.5
Eggplant	250-300	66		100	60-90	60	25-30	9	10-15	70-90	1
Gherkin	30	17	3.4	1000	100-150	25-30	18-30	8	7	130-150	2
Lettuce	600-1200	17	1-2	1000	30-50	20-30	8-25	5	20	65-90	1.5
Melon- Rock	35-40	17	1-2	1500	150-200	30-60	25-30	5	10-15	90-120	3
Onion	210-320	17	5		25-40	5-8	15-30	8	50-70	170-200	1.5
Onion- Bunching	210-320	33	12		10-30	2	15-30	8	5	80-100	1.5
Parsley	600-1200	17	3		30-40	10-20	10-25	15	10-15	70-90	1
Peas	5	412	200		20-60	5-7	8-20	8	3-4	60-120	3
Pumpkin	6	33	3		160-200	50-200	20-30	7	25-30	110-170	3
Radish	100-170	82	10		30	2	10-30	5	10	30-40	2
Silverbeet	40	17	6		40-50	20-30	10-30	7	10	65-75	2
Spinach	150-170	82	10		30-40	8-10	10-20	8	10-15	40-69	2
Squash	6-10	30	2-4		70-150	30-60	20-30	7	15-20	55-120	3
Sweetcorn	4-6	165	10-15		70-80	15-30	18-30	6	10-25	70-120	4
Tomato	250-300	17	1.5	200	100-150	30-90	16-25	8	30-60	80-120	1
Watermelon	20-30	33	0.5-1	0.5-1	160-200	30-60	25-30	5	50-80	80-120	3
Zucchini	6-10	30	2-4		150	30-60	20-30	7	15-20	55-120	3

DISEASE ABBREVIATIONS

Crop	Pathogen	Code	Scientific pathogen name	English common name
Bean	Virus	BCMV	<i>Bean common mosaic virus</i>	Bean common mosaic virus
	Fungi	Cl	<i>Colletotrichum lindemuthianum</i>	Anthracnose
	Bacteria	Psp	<i>Pseudomonas savastanoi pv. phaseolicola</i>	Halo blight
	Bacteria	Pss	<i>Pseudomonas syringae pv. syringae</i>	Bacterial brown spot
	Bacteria	Xap	<i>Xanthomonas axonopodis pv. phaseoli</i>	Common blight
	Fungi	Ua	<i>Uromyces appendiculatus</i>	Rust
Beet	Fungi	Cb	<i>Cercospora beticola</i>	Leaf spot
	Fungi	Ps	<i>Peronospora schachtii</i>	Downy mildew
Brassica	Bacteria	Xca	<i>Xanthomonas campestris pv. armoraciae</i>	Leaf spot
	Bacteria	Xcc	<i>Xanthomonas campestris pv. campestris</i>	Black rot
	Fungi	Aba	<i>Alternaria brassicicola</i>	Black spot
	Fungi	Abe	<i>Alternaria brassicae</i>	Black spot
	Fungi	Lm	<i>Leptosphaeria maculans</i>	Black leg
	Fungi	Pb	<i>Plasmodiophora brassicae</i>	Clubroot
Capsicum	Bacteria	Xcv	<i>Xanthomonas campestris pv. vesicatoria</i>	Bacterial spot (8 strains 1,2,3,4,5,6,7,8)
	Fungi	Foc	<i>Fusarium oxysporum f. sp. capsici</i>	Fusarium wilt
	Fungi	Lt	<i>Leveillula taurica (anamorph: Oidiopsis sicula)</i>	Powdery mildew
	Nematode	Ma	<i>Meloidogyne arenaria</i>	Root-knot
	Nematode	Mi	<i>Meloidogyne incognita</i>	Root-knot
	Nematode	Mj	<i>Meloidogyne javanica</i>	Root-knot
	Virus	TMV	<i>Tobacco mosaic virus</i>	Tobacco mosaic virus (3 strains 0,1,2)
	Virus	ToMV	<i>Tomato mosaic virus</i>	Tomato mosaic virus
	Virus	TSWV	<i>Tomato spotted wilt virus</i>	Tomato spotted wilt virus
	Virus	PVY	<i>Potato Y virus</i>	Potato Y
Celery/Celeriac	Fungi	Sa	<i>Septoria apiicola</i>	Late blight
Cucurbita	Bacteria	Ac	<i>Acidovorax citrulli</i>	Bacterial fruit blotch
	Bacteria	PsI	<i>Pseudomonas syringae pv. lachrymans</i>	Angular leaf spot
	Fungi	Ccu	<i>Cladosporium cucumerinum</i>	Scab and gummosis
	Fungi	Co	<i>Colletotrichum orbiculare</i>	Anthracnose
	Fungi	Db	<i>Didymella bryoniae</i>	Gummy stem blight
Not watermelon	Fungi	Foc	<i>Fusarium oxysporum f.sp cucumerinum</i>	Fusarium wilt
Not watermelon	Fungi	Fom	<i>Fusarium oxysporum f.sp melonis</i>	Fusarium wilt (3 strains 0,1,2)
	Fungi	Fon	<i>Fusarium oxysporum f.sp niveum</i>	Fusarium wilt
	Fungi	For	<i>Fusarium oxysporum f.sp. radicle-cucumerinum</i>	Fusarium crown and root rot
Not watermelon	Fungi	Fsc	<i>Fusarium solani f.sp. cucurbitae</i>	Crown and root rot
Not watermelon	Fungi	Gc	<i>Golovinomyces cichoracearum</i>	Powdery mildew
Not watermelon	Fungi	Pcu	<i>Pseudoperonospora cubensis</i>	Downy mildew
	Fungi	Px	<i>Podospaera xanthii</i>	Powdery mildew
	Virus	CGMMV	<i>Cucumber green mottle mosaic virus</i>	Cucumber green mottle
	Virus	CMV	<i>Cucumber mosaic virus</i>	Cucumber mosaic virus
	Virus	CVYV	<i>Cucumber vein yellowing virus</i>	Cucumber vein yellowing
	Virus	CYSDV	<i>Cucumber yellowing stunt disorder virus</i>	Cucumber yellowing stunt disorder
	Virus	MNSV	<i>Melon necrotic spot virus</i>	Melon necrotic spot
	Virus	PRSV	<i>Papaya ringspot virus</i>	Papaya ringspot
	Virus	WMV	<i>Watermelon mosaic virus</i>	Watermelon mosaic
	Virus	ZYMV	<i>Zucchini yellow mosaic virus</i>	Zucchini yellows

DISEASE ABBREVIATIONS

Crop	Pathogen	Code	Scientific pathogen name	English common name
			HR = Highly resistant IR = Intermediate resistance	
Leek	Virus	LYSV	<i>Leek yellow stripe virus</i>	Leek yellow stripe
	Bacteria	Psp	<i>Pseudomonas syringae pv. porri</i>	Pseudomonas leek blight
	Fungi	Ap	<i>Alternaria porri</i>	Purple blotch
	Fungi	Foc	<i>Fusarium oxysporum f. sp. cepae</i>	Basal rot
Lettuce	Fungi	Bl	<i>Bremia lactucae</i>	Downy mildew
	Virus	LMV	<i>Lettuce Mosaic Virus</i>	Lettuce mosaic
	Virus	MLBVV	<i>Mirafiori lettuce big-vein virus</i>	Lettuce big vein
	Insects	Nr	<i>Nasonovia ribisnigri</i>	Lettuce leaf aphid
	Bacteria	Fol	<i>Fusarium oxysporum f.sp. lactucae</i>	Fusarium wilt
	Bacteria	Xcv	<i>Xanthomonas campestris pv. vitians</i>	Bacterial spot
	Bacterai	Pc	<i>Pseudomonas cichorii</i>	Bacterial rot
Onion	Fungi	Pd	<i>Peronospora destructor</i>	Downy mildew
	Fungi	Bs	<i>Botrytis squamosa</i>	Botrytis leaf blight
	Fungi	Pa	<i>Puccinia allii</i>	Rust
	Fungi	Pt	<i>Pyrenochaeta terrestris</i>	Pink root
	Fungi	Sc	<i>Sclerotium cepivorum</i>	White rot
Pea	Fungi	Fop	<i>Fusarium oxysporum f. sp. pisi</i>	Near wilt
	Fungi	Ep	<i>Erysiphe pisi</i>	Powdery mildew
Spinach	Fungi	Pfs	<i>Peronospora farinosa f. sp. spinaciae</i>	Downy mildew
	Fungi	Cd	<i>Colletotrichum dematium</i>	Anthracnose
	Fungi	Fos	<i>Fusarium oxysporum f. sp. spinaciae</i>	Fusarium wilt
Sweetcorn	Fungi	GLS	<i>Cercospora</i>	Grey leaf spot
	Fungi	Ps	<i>Puccinia sorghi</i>	Common rust
	Fungi	Et	<i>Exserohilum turcicum</i>	Northern leaf blight
	Fungi	Um	<i>Ustilago maydis</i>	Common smut
	Virus	MDMV	<i>Maize dwarf mosaic virus</i>	Maize dwarf mosaic
Tomato	Virus	ToMV	<i>Tomato mosaic virus</i>	Tomato mosaic virus (3 strains 0,1,2)
	Virus	TSWV	<i>Tomato spotted wilt virus</i>	Tomato spotted wilt virus
	Virus	CMV	<i>Cucumber mosaic virus</i>	Cucumber mosaic
	Virus	TMV	<i>Tobacco mosaic virus</i>	Tobacco mosaic
	Virus	TYLCV	<i>Tomato yellow leaf curl virus</i>	Tomato yellow leaf curl
	Bacteria	Cmm	<i>Clavibacter michiganensis subsp. michiganensis</i>	Bacterial canker
	Bacteria	Pst	<i>Pseudomonas syringae pv. tomato</i>	Bacterial speck
	Fungi	Ff	<i>Fulvia fulvum (ex Cladosporium fulvum)</i>	Leaf mould (5 different races 1-5)
	Fungi	Fol	<i>Fusarium oxysporum f.sp lycopersici</i>	Fusarium wilt (3 different races 0,1,2)
	Fungi	For	<i>Fusarium oxysporum f.sp radicle-lycopersici</i>	Fusarium crown and root rot
	Fungi	On	<i>Oidium neolycopersici</i>	Powdery mildew
	Fungi	Sbl, Sl, Ss	<i>Stemphylium botryosum, lycopersici, solani</i>	Gray leaf spot
	Fungi	Va, Vd	<i>Verticillium albo-atrum, V.dahliae</i>	Verticillium wilt
	Nematode	Mi, Ma, Mj	<i>Meloidogyne incognita, M.arenaria, M.javanica</i>	Root-knot nematode

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