



Thinking
vegetable seeds?



Think
Terranova

2017 PRODUCT GUIDE



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DISCLAIMER: All cultural information and recommendations are provided as guides only. Local environment conditions or growing practices adopted may influence varietal performance. Terranova Seeds Pty Limited or its representatives will accept no liability as to the accuracy of the information.



RESISTANCE ABBREVIATIONS

ALS	Angular Leaf Spot
Bl	Bremia lactucae (Downy Mildew)
BW	Bacterial Wilt
Ccu	Scab and Gummosis
Cmm	Bacterial Canker
CMV	Cucumber Mosaic Virus
CVYV	Cucumber Vein Yellowing Virus
CYSDV	Cucurbit Yellow Stunting Disorder Virus
DMR	Downy Mildew Resistance
ET	Northern Corn Leaf Blight
F	Fusarium race 1, 2 or 3 as noted
Ff	Leaf Mould (Fulvia)
LMV	Lettuce Mosaic Virus
MDMV	Maize Dwarf Mosaic Virus
N	Nematode
Nr	Nasonovia Aphid Resistance
PM	Powdery Mildew
PRSV	Papaya Ring Spot Virus
PS	Common Rust
Pst	Bacterial Speck
PVY	Potato Virus Y
Ss	Corky Root
TMV	Tobacco Mosaic Virus
TSWV	Tomato Spotted Wilt Virus
TYLCV	Tomato Yellow Leaf Curl Virus
V	Verticillium Wilt Race 1
WMV	Watermelon Mosaic Virus
Xcv	Bacterial Spot
ZYMV	Zucchini Yellow Mosaic Virus
IR	Intermediate Resistance
MR	Moderate Resistance

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ASPARAGUS

VARIETY	MATURITY FROM TRANSPLANT	SPEARS	SPEAR COLOUR
HYBRID			
U.C. 157 (F1)	1 year from planting	Spears initiated in clusters of 3 - 5	Deep green
Earlier production due to increased vigour. Extended harvest period for cylindrical, uniform spears.			



BEANS

VARIETY	MATURITY FROM SOWING	PLANT HABIT	POD TYPE	COLOUR
DWARF				
BORLOTTI	9 - 11 weeks	Dwarf	Flat, string 15 - 16cm	Mottled red
Culinary bean used fresh or dried. Attractively coloured.				

BEETROOT



VARIETY	MATURITY FROM SOWING	BULB COLOUR	INTERNAL COLOUR	BULB SHAPE
OPEN POLLINATED				
DETROIT SUPREME	9 weeks	Blood red	Deep red	Globe
Suitable for fresh market or processing. Attractive colour.				
EARLY WONDER TALL TOP	8 weeks	Blood red	Dark red	Slightly conical
Tall tops suited to bunching. Some slight zoning present.				
HYBRID				
FOUR ACES	9 weeks	Dark red	Blood red	Globe
Excellent quality, attractive bulb, very upright with bright green tops. Suited to bunching.				
FULL HOUSE	9 weeks	Dark red	Dark red	Globe
Thin stem and root attachment – good for bunching. Excellent external colour with smooth skin. Good field tolerance to <i>Cercospera beticola</i> .				
MONO RED	9 weeks	Dark red	Dark red	Globe
Smooth dark red beet with attractive shape and a small tap root. Medium sized dark green erect tops. Good internal colour with little zoning. Suitable for bunching, baby beet or bulbs.				
RED ATLAS	9 weeks	Dark red	Dark red	Globe
Excellent quality smooth bulbs. Strong, erect, dark green tops with a strong attachment. Suitable for bunching, baby beets and processing.				

BROCCOLI





VARIETY	MATURITY FROM TRANSPLANT	HEAD TYPE	HEAD COLOUR
HYBRID			
 CORATO	9 – 11 weeks	Domed head, medium/fine beads	Blue green
Corato is a strong plant that produces a domed head with attractive blue/green colour. The heads sit high in the plant for ease of harvest and has very few leaves to clean compared to other commercial varieties. Harvest uniformity is outstanding.			
DYNASTY	10 – 12 weeks	Well domed head, medium bead size	Deep green
Dynasty is a fast maturing variety that produces well domed, heavy heads consistently across a range of conditions. It is highly adaptable and has shown good performance against white blister in Australian trials. Should be trialled against Kuba, Ironman and Aurora.			
GREENBELT	10 - 11 weeks	Domed head, fine beads	Dark green
Industry standard for Autumn and Spring production. Adaptable and reliable.			
IMPERIAL	11 - 12 weeks	Fine bead, nice dome	Dark green
Shoulder variety. Good uniformity and good White Blister tolerance in our trials.			
MARATHON	11 - 12 weeks	Well domed, very fine beads	Deep green
Quality heads for cool season production. Reliable industry standard.			
 THUNDERDOME	12 – 14 weeks	High dome, tight fine bead	Dark green
NEW. Highly vigorous variety with thick stems and heavy head weights. Shape is a high dome with firm heads and fine beads. Has a wide harvest window but grows well under cool conditions. Adaptable.			

BROCCOLI



CABBAGE

VARIETY	MATURITY FROM TRANSPLANT	HEAD TYPE	WEIGHT	HOLDING ABILITY
GREEN				
HYBRID				
BOND	12 - 13 weeks	Globe, slightly flat	3 - 4kg	Good
Suited to warmer conditions. Uniform with good blue-green colour. Good tolerance to Black Rot.				
 GREEN CORONET	15 - 17 weeks	Flattened globe, medium green	4 - 4.5kg	Excellent
Adaptable variety, current industry standard.				
LANCER	11 - 13 weeks	Globe; semi-round	2kg	Good
A mid-sized cabbage very suitable for the crate market. The heads are extremely uniform and average around 2kg depending on plant population. Lancer has good levels of tolerance to leaf disease and sits up nicely off ground for ease of harvest. The flavour is very sweet.				
RED				
HYBRID				
RED QUEEN	9 - 10 weeks	Globe shaped	1.5 - 1.6kg	Good
Excellent dark red glossy colour. Solid head with good taste and soft texture. Best results in Winter.				
SAVOY				
HYBRID				
 SAVOY ACE	13 - 15 weeks	Semi savoyed	2.5 - 3.5kg	Strong field holding
A savoy cabbage from the Takii breeding programme. Dark green, semi savoy head with medium sized frame. Holds well in the field at maturity. Strong against leaf disease. Periods of high bolting pressure should be avoided as core height can be an issue.				
SAVOY KING	13 - 15 weeks	Flattened globe, medium green	4.5 - 5kg	Poor
Savoy type leaf, very popular on all markets.				
SPECIALTY				
HYBRID				
 STAR BRIGHT	7 - 8 weeks	Globe, green	1 - 2kg	Fair
Exhibits good tolerance to heat and is late bolting. Attractive deep green colour, excellent soft texture and a very good taste.				

CAPSICUM

VARIETY	MATURITY FROM TRANSPLANT	FRUIT COLOUR	FRUIT SIZE	FRUIT SHAPE
HOT				
OPEN POLLINATED				
LONG RED CAYENNE SLIM	9 - 11 weeks	Green turning red	10 - 11 x 1.25cm	Long tapered red chilli
Medium spicy; fruit slightly twisted. Suitable for fresh market and processing. Very productive.				
LONG RED CAYENNE THICK	9 - 11 weeks	Green turning red	10 - 11 x 2cm	Long tapered red chilli
Medium spicy; fruit slightly twisted. Suitable for fresh market or processing. Very productive.				
HYBRID				
 AMIGO	10 weeks	Dark green to red	10 x 3.75cm	Cylindrical
Jalapeno type. High yielding dark green fruit; will not purple (anthocyanin). Shows some tolerance to cracking. Adaptable under a range of conditions. Scoville: 3,500 – 6,000.				
 DAGGER	15 weeks	Dark green turning red	18 - 20 x 1.5cm	Elongated
Cayenne type. Strong, vigorous plant with early maturity and high yield. Uniform, smooth, dark green fruit turning red at maturity and very pungent. This variety has good set in cool conditions and is suitable for open field or protected cropping.				
FUEGO	9 - 11 weeks	Dark green to glossy red	13 - 15 x 1.5cm	Long thin cayenne
Cayenne style fruit in the Diablo class. Upright bush.				
 FURNACE	12 weeks	Green to red	4 - 5 x 3cm	Lantern
Habanero type. A vigorous plant that provides prolonged, high production yield. Uniform large fruit that are red at maturity. Aromatic and very hot. Scoville: 200,000.				
FUSION	12 weeks	Green to red	4 x 5cm	Strawberry
Turning green 75 days from transplant and red 85 days from transplant. Provides good cover and high yields. Medium wall thickness, Sweet taste followed by intense heat.				
 SATAN	10 weeks	Green to red	7.5 - 10cm	Slight club shape
Serrano type. A semi-indeterminate plant type that produces an abundance of uniform, heavy chilli with excellent shelf life. Very dark green, turning red at maturity. Scoville: 3,500 – 6,000.				





CAPSICUM

VARIETY	MATURITY FROM TRANSPLANT	FRUIT COLOUR	FRUIT SIZE	FRUIT SHAPE
SWEET				
OPEN POLLINATED				
GREEN GIANT	10 - 12 weeks	Green turning red	10 - 12 x 8 - 9cm	Blocky bell 3 - 4 lobed
Thick fleshed, popular standard.				
LONG SWEET YELLOW	10 - 12 weeks	Yellow turning red	15 - 17 x 3 - 4cm	Long tapered
Hungarian yellow wax type. Very sweet and mild.				
YOLO WONDER	10 - 12 weeks	Green turning red	10 - 12 x 9 - 10cm	Blocky bell 3 - 4 lobed
Thick fleshed, still popular. Originally introduced for its partial resistance to Yolo Spot.				
HYBRID				
ALICE	10 - 12 weeks	Dark green to intense red	10 x 9.5cm	Large, blocky
Large firm fruit with good wall thickness. Multi disease resistant, with excellent canopy cover. Suitable for fresh market or processing. BLS 1, 2, 3 resistant.				
BROADBEACH	10 - 12 weeks	Dark green turning yellow	10 x 9.5cm	Large, long blocky
Open field type and therefore quite rugged. BLS 1, 2, 3 resistant. Fruit are thick walled, firm and have a good shelf life. Excellent yield potential.				
 MILDRED	12 - 13 weeks	Dark green to bright yellow	9 x 10cm	Blocky
Medium sized, heavy fruit with shallow shoulder and good wall thickness. Firm with long shelf life. Suitable for outdoor and shade house. Tm 0-2; PVY 0-2; TSWV; Xcv 1-3 resistant.				
OLGA	10 - 12 weeks	Dark green to intense red at maturity	11 x 9cm	Blocky
Large, firm fruit with good wall thickness. Multi disease resistant with excellent canopy cover. Suitable for fresh marketing or processing. BLS 1, 2, 3 resistant.				
 RELAMPAGO	10 - 12 weeks	Green to red	9 x 9cm	Blocky
Strong plant producing an exceptional quality indoor blocky pepper which is a bright glossy red at maturity. Outstanding firmness and shelf life with an average weight of 200 – 230 grams which is maintained throughout plant. Relampago has the ability to set under high temperatures. Intermediate resistance to TSWV; High resistance to TMV 0-3.				



CARROT

VARIETY	MATURITY FROM SOWING	ROOT DIMENSION	COLOUR	TOPS
CHANTENAY				
HYBRID				
ROYAL CHANTENAY	14 - 18 weeks	20 x 6cm	Mid orange	Strong
High yield specialty carrot. Can be used for slicing, dicing or juicing.				
IMPERATOR				
OPEN POLLINATED				
ALL SEASONS	12 - 16 weeks	22 x 4cm	Pale orange	Very strong
Adaptable standard OP variety.				
KURODA				
HYBRID				
 CCO-018	16 - 18 weeks	18 x 4cm	Deep orange	Strong
Very smooth, blunt end Japanese style. Sweet, succulent and brittle.				
 FORGE	16 - 18 weeks	18 x 4cm	Deep orange	Strong
Very smooth, blunt end Japanese style. Sweet, succulent and brittle.				
NANTES				
OPEN POLLINATED				
DARCY	12 - 16 weeks	17-20 x 4cm	Bright orange	Medium-Strong
Good shape with bright orange colour. Can be used for fresh market or processing. Root has blunt end and a fine core.				
NANTES CROSS				
HYBRID				
AUGUSTA	16 - 18 weeks	17 x 9cm	Dark orange	Strong
Quick maturing Nantes x Kuroda. Smooth, uniform shape – excellent top vigour with tidy attachment. Should not be sown in periods of high bolting pressure.				
 CAMBRIDGE	15 - 16 weeks	18 x 4cm	Deep orange	Strong
Kuroda type with a blunt tip. Early maturing – 10 days quicker than Forge with a much stronger top. Trial for Summer, Autumn, Winter harvest. High pack out. Should not be sown in periods of high bolting pressure.				





CAULIFLOWER

VARIETY	MATURITY FROM TRANSPLANT	CURD	WRAP
OPEN POLLINATED			
SELECTION 174	13 - 15 weeks	Creamy white, deep, heavy	Well protected by inner leaves
A reliable standard variety.			
HYBRID			
 ALTAIR	16 – 18 weeks	Well domed, white	Very large, swirling wrap
Altair is a medium/large framed variety with an exceptionally good swirling wrap. The well protected curds are domed and very white with good weights. It has good leaf disease tolerance and uniform maturity. Should be trialled for Winter and very early Spring harvest.			
 CRENIQUE	12 – 14 weeks	Medium, well tucked	Large, swirling wrap
Medium-large framed cauliflower with a very upright growth habit. Medium sized, white curd with good tuck. Well protected with a large swirling wrap. Excellent uniformity at harvest reduces harvest costs. Should be trialled in Autumn in cooler southern climates and Autumn - early Winter in warmer areas.			
 ESTATIQUE	13 – 16 weeks	Medium/large size. Well tucked, dense	Large, swirling wrap
Estatique is an Australian bred CMS hybrid with a medium / large frame and good tolerance to common leaf diseases. The curds are well protected with a large swirling wrap which prevents premature yellowing from exposure to the sun. Should be considered for Winter production in warmer northern regions and during Spring in cooler climates.			
 NOVA	11 - 12 weeks	White, medium curd	Good
Early maturing heat tolerant CMS variety. Australian bred for production in warmer climates. Curd is well wrapped and deeply tucked. Very adaptable variety.			


CELERY

VARIETY	MATURITY FROM TRANSPLANT	PLANT HEIGHT	PETIOLE
HYBRID			
 GREEN GIANT	16 - 20 weeks	55 - 60cm	Glossy, petiole up to 30cm
Hybrid variety suitable for cooler planting times.			
 SIERRA	16 - 20 weeks	60 - 65cm	Very dark green with long petiole
Very long petiole length with excellent harvest uniformity. Little to no side shoots. Useful tolerance to bolting and black heart. Suitable for Spring / Autumn and Winter production.			




CUCUMBER

VARIETY	MATURITY FROM SOWING	FRUIT SHAPE	FRUIT COLOUR
CONTINENTAL			
HYBRID			
 CARONTE	8 - 9 weeks	32 - 36cm	Dark green
Recommended for Spring & Autumn production. Caronte has a strong plant that produces an abundance of dark green fruit. Good disease tolerance to PM, CVYV and CYSDV.			
 CARRANZA	8 - 9 weeks	32 - 36cm	Dark green
Dark green fruit with an attractive rib. Produces good length in cool conditions. Disease resistance CVYV and CYSDV.			
 YORK	8 - 9 weeks	34 - 38cm	Very dark green
Plastic / glasshouse production. Vigorous plant with short internodes. Straight, very dark fruit which tends to be thicker in diameter than other lines. Resistant to CVYV and CYSDV.			
LEBANESE			
HYBRID			
 MYOLA	7 weeks	16 - 18 cm	Dark green
Best suited to late Spring and Summer production in the southern states. Multi fruiting 2-3 fruit per node. Strong, but controlled vigour with short internodes. Slightly ribbed cylindrical shape and a very even rounded shoulder. Observed high tolerance to Powdery Mildew.			


CUCUMBER

VARIETY	MATURITY FROM SOWING	FRUIT SHAPE	FRUIT COLOUR
SLICER			
OPEN POLLINATED			
GREEN GEM	8 – 9 weeks	Blocky ends, 20 x 5cm	Medium green
Adaptable variety but lower yield than hybrids.			
HYBRID			
 CAMELOT	8 – 9 weeks	Blocky ends, 23 x 4.5cm	Very dark green
Camelot is dark green, matures in 60 days, and holds length well. It has excellent disease tolerances. High tolerance to Powdery and Downy Mildew. Low tolerance - CMV, Anthracnose, ALS, Scab, ZYMV, PRSV, and WMV. <i>Contains pollinators @ 12%.</i>			
SPECIALTY			
OPEN POLLINATED			
CRYSTAL SALAD	9 - 10 weeks	Blocky ends, 10 x 7cm	Creamy white
Very mild flavour, but minimal disease resistance.			
HYBRID			
BURPLESS TASTY GREEN	7 - 8 weeks	Long tapered, 25 x 4cm	Green
Long thin fruit, best grown on a trellis system for straight fruit. Low acid.			
CLARION	6 - 7 weeks	L / D 2.5	Mid-green
A productive, beautifully shaped pickler. It brines well and has shown to be widely adaptive. Tolerant or resistant to Scab, Angular Leaf Spot, Anthracnose, Powdery Mildew and Downy Mildew.			








EGGPLANT

VARIETY	MATURITY TRANSPLANT	PLANT HEIGHT	FRUIT SIZE	FRUIT SHAPE	FRUIT COLOUR
OPEN POLLINATED					
MARKET SUPREME	16 - 18 weeks	80 - 100cm	16 x 11cm	Tear drop	Glossy black
An adaptable variety well suited to all growing areas.					
HYBRID					
 BARCELONA	14 - 16 weeks	80 - 100cm	16 x 11cm	Tear drop	Glossy black
Compact open plant with early production. Large teardrop shape fruit with a smooth, glossy, dark skin. Flesh is firm with very small seed. The Calyx is small and spineless. A very productive variety suited to open field.					
 COSMOS	11 - 14 weeks	80 - 100cm	8 x 21cm	Elongated tear drop	Glossy black
Medium erect open habit, sets well throughout the plant cycle – will suit long cycle. Oval long shape with spineless fruit. For outdoor or protected cropping. Very dark, glossy colour, average fruit weight 410-430 grams.					
 LISBON	16 - 18 weeks	80 - 100cm	16 x 11cm	Tear drop	Very glossy black
Suitable for plastic tunnel / protected cropping. Excellent yield potential. Smooth, shiny black colour. Firm seedless flesh. Small green spineless calyx.					



ENDIVE

VARIETY	LEAF TYPE
 TOPAZ	Curly
Fine curly-type endive. Strong large frame. Ideal for bunching.	




HERBS

VARIETY	MATURITY FROM TRANSPLANT	LEAF TYPE
 BASIL GENOVESER	7 - 8 weeks	Shiny, dark green spoon shaped leaf
Suitable for fresh cut or processing. High yielding.		
 BASIL MARIAN	7 - 8 weeks	Dark green, medium sized leaf
Pot variety in the Genoveser type. Strong against tip burn and leaf damage in the packing phase. Improved cold tolerance secures a transport phase under problematic conditions.		
 BASIL PICCOLINO	7 - 8 weeks	Small leaf
Very compact growing basil with a strong aroma. Ideal for pot growing and original pesto.		
 BASIL ROSIE	7 - 8 weeks	Dark red colour
Rosie has intense dark red colour with compact and upright growth on robust stems.		
 CHIVES BIGGY	6 – 9 weeks	Round leaf
A thick shafted variety with dark blue-green leaf colour. Upright plant habit. Excellent for fresh market, forcing and processing.		
CHIVES GARLIC	6 – 9 weeks	Flat grass-like leaves to 30cm
Mild garlic flavour. Good for bunching.		
 CHIVES STARO	9 weeks	Thick hollow leaves to 25cm in length
Extra thick leaved for all growing purposes. Suitable for outdoor, forcing and pots.		
CORIANDER SLOW BOLT	7 - 9 weeks	Large flat light green aromatic leaves
A slow bolting version of this herb. Most popular in Asian and Middle Eastern cookery.		
 DILL GOLDKRONE	8 - 11 weeks	Fine structure
Especially high yielding. Late flowering.		
 DILL GREENSLEEVES	8 - 11 weeks	Fine structured medium-dark green leaf
A very stable, dark green leafy type. Suitable for fresh bundles. Strong against bolting and is suited for all year production.		
DILL KURANDA	8 - 11 weeks	Fine structure
Up to 100cm high. Fresh, dark green leaves, high yielding dense foliage.		
 OREGANO ZAATAR	12 – 13 weeks	Soft, oval grey-green leaves
NEW. A very hardy perennial bushy evergreen plant. Zaatar has a semi-upright growth habit; the plant has a 40cm radial habit and is 15-20cm high. Sharp oregano aroma and flavour. May flower in Summer, but miniature white flowers are edible.		





KOHL RABI


VARIETY	MATURITY FROM SOWING	BULB COLOUR	BULB SHAPE
HYBRID			
 OCTAVE	6 – 8 weeks	White to slight green	Round
Very sturdy semi-upright plants. Large leaves. Variety grows well in hot conditions.			
 OPUS	6 – 8 weeks	White	Flat-round
Very uniform hybrid for protected and open field crops. Easy harvest, excellent product quality and nice presentation			

LEEK




VARIETY	MATURITY FROM SOWING	SHANK	HABIT
HYBRID			
 CHINOOK	15 – 17 weeks	Long white	Upright
NEW. Very uniform leek for Spring and Summer production. Good bolt tolerance with a long white shaft length and dark green leaves. Heavy weight.			
 NAVAJO	18 – 19 weeks	Long white	Very upright
NEW. Blue/green leaf type for late Autumn, Winter and early Spring production. Very upright plant with a long white, firm shaft. Easy peeling and cleaning with high yield potential.			
 TAKRIMA	18 – 19 weeks	Long white	Very upright
NEW. Thinner stem type suitable for pre-packs and bunch. Highly suitable for direct seeding. Very upright plant with a long white shaft and mid green leaves. Easy cleaning with year round potential.			

LETTUCE - ICEBERG

VARIETY	MATURITY FROM TRANSPLANT	HEAD TYPE	DISEASE RESISTANCE	SEASON
 BALBOA	10 - 12 weeks	Large size, mid green	Bl 16 - 27	Winter
Large frame with good wrapper leaves that offer good frost protection. Best suited to cooler southern markets of Victoria, Tasmania, Sth Australia, NSW and West Australia.				
FALCON	10 - 11 weeks	Medium sized, mid green		Cool
A Vanguard style lettuce capable of producing highly uniform, medium sized heads under very cold conditions. This variety produces plenty of cover leaves and the texture is very heavily savoyed which gives it good protection from frost. Sure heading and a very short core makes it very suitable for the processing market.				
FENECH	8 - 9 weeks	Medium sized, dark green		Shoulder
A Vanguard style lettuce for use in the shoulder period. An adaptable variety that is very sure heading under difficult conditions. Mid-sized frame and heads with a short core.				
HEATMASTER	7 - 9 weeks	Medium		Warm
Medium size Vanguard type for warm season production. Ideally the variety needs to be grown in the warmest part of the growing season for best results. Heatmaster is very uniform and has excellent tolerance to tip burn and bolting.				
HOLYFIELD	7 - 9 weeks	Large		Warm
For growers needing more size in warm season production, Holyfield is capable of producing a larger head size than industry standards yet maintaining a short core and tip burn tolerance. Suitable for processing due to increased head weight through warmer temperatures.				
 LISTON	7 – 8 weeks	Mid-size frame with large head	Bl 16- 31	Shoulder
Sure heading iceberg for warm conditions.				
 MARKSMAN	9 - 10 weeks	Large size, mid-dark green		Cool
Excellent uniformity gives high percentage first cut.				
 MERCURIO	9 – 11 weeks	Medium/large size, dark green	Bl 16-31	Cool
A highly adaptable Australian bred variety. It has the highest level of Bremia resistance (BL16-31) currently available. Mercurio produces medium large, dark green heads from a large frame.				
MONTEREY	7 - 8 weeks	Large, mid green		Warm
Large framed vanguard style lettuce for warm season production. Very sure heading with excellent tipburn tolerance. Medium – large head size, short core. Should be trialled in the Raider timeslot.				
TROPICAL	7 - 8 weeks	Medium size, mid green		Warm
A medium iceberg with round shaped head. It has excellent tolerance to bolting and tip burn. Good heat tolerance.				

VARIETY	MATURITY FROM TRANSPLANT	HEAD TYPE	DISEASE RESISTANCE	SEASON
SPECIALTY - COS				
SYMPHONY	7 - 9 weeks	Medium to large, mid green	BI 16-25	Warm
Medium to large framed Cos suitable for a range of growing conditions. Due to short core and tip burn tolerance, Symphony has performed well under warm growing conditions. Holding ability is a feature of this variety.				
 ZAZU	7 - 8 weeks	Mid sized	BI 16-23	Cool
NEW. Trialled as TLC 4142. A quality COS variety which displays good head weight for its size. Light green midi type which produces an exceptionally high number of uniform sized, useable leaves. It is early closing but still has good tolerance to tipburn. The taste and eating qualities are a stand-out of this variety.				
SPECIALTY - MIGNONETTE				
MIGNONETTE BROWN	7 weeks	Small, loose, brown head		Most
Soft, lightly savoyed dark green and russet coloured leaves.				
MIGNONETTE GREEN	7 weeks	Small, loose, green head		Most
Small medium green heads with a soft, slightly savoyed leaf.				

MELON

VARIETY	MATURITY FROM SOWING	FRUIT SHAPE	SIZE	SKIN	INTERNAL COLOUR
HONEYDEW					
HYBRID					
 GALAXY	12 - 13 weeks	Round	18 x 18cm	Very white	Bright green
Large fruited, white skinned, thick flesh fruit on a vigorous, protective vine. Good yield potential and excellent quality. Useful resistance to Powdery Mildew and Fusarium 0 and 2.					
 MILKY WAY	12 - 13 weeks	Round	16 x 16cm	Very white	Green
Medium, white skinned fruit. Small cavity with thick, very crisp flesh - ESL and sweet flavour. Good yield potential. Plant either side of Galaxy.					
ROCKMELON					
HYBRID					
 RESTART	12 - 13 weeks	Round / oval	16 x 18cm	Moderate net	Salmon
NEW. Harper type cantaloupe - strong vine with adequate cover. Produces round to slightly oval non sutured fruit with a moderate net. Small cavity with firm flesh and excellent flavour. Good shelf life. F 0, 1. Intermediate resistance to PM.					










OKRA

VARIETY	MATURITY FROM SOWING	PLANT HEIGHT	POD TYPE
OPEN POLLINATED			
CLEMSONS SPINELESS	12 - 14 weeks	90 - 110cm	6 - 8cm x 2cm Green spineless
Pods are tapered towards the tips. Pick pods young for premium prices. Plants are frost tender.			


ONION

VARIETY	TYPE	BULB	STORAGE POTENTIAL
BROWN			
OPEN POLLINATED			
BARON	Early Intermediate	Globe	Excellent
Vigorous grower with very good skin quality and keeping ability.			
GLADALAN BROWN	Mid Short Day	Globe, medium to large size	Limited
An adaptable variety, which performs well in most onion growing regions.			
M & R EARLY IMPROVED	Very Early Intermediate	Globe, medium to large size	Excellent
Superior selection of the original New Zealand strain. Export quality.			
MERCEDES	Intermediate	Globe, medium to large size	Excellent
Selected for uniformity of bulb shape. Suitable for export.			
MUNDULLA GOLD	Early Late Day	Globe	Excellent
Similar maturity to Murray Brown. Very dark brown skins. High yielding. Exceptional bulb uniformity.			
MURRAY BROWN	Early Late Day	Globe, medium to large size	Excellent
Very vigorous high yielding variety with dark brown skins with good skin retention. Especially suited to SA and WA.			




ONION

VARIETY	TYPE	BULB	STORAGE POTENTIAL
BROWN			
HYBRID			
 BRUNELLA	Late Short Day	Globe	Good
Strong top vigour with improved root vigour for sowing in ground affected by Pink Root, yield advantage over similar types. Uniform globe shape with impressive skin numbers. Best suited to early June sowing in Southern Queensland.			
 COLOSSUS	Late Short Day	Globe, large size	Good
High yielding mild jumbo type, highly single centred, strong foliage. Is being successfully marketed as a mild type.			
 GOBLIN	Early Intermediate	Large globe	Good
Goblin is extremely vigorous giving it a wider sowing window than other lines of this type. Germinates quickly under cool soil conditions and is capable of producing large sized bulbs with attractive golden brown colour. Foliage is strong against mildew. Medium storage potential.			
 GRENADE	Mid Short Day	Uniform globe, medium size	Very good
Mid maturity Short Day brown onion. Medium, uniform, globe shaped bulbs with excellent colour, skin retention, firmness and storage ability – especially for its maturity class. Generally highly single centred. Has shown good partial resistance to Downy Mildew.			
 LUCINDA	Mid Short Day	Globe, medium size	Very good
High quality, medium size. Very uniform globe shaped bulbs with excellent skin colour. Outstanding firmness and storage for an onion of the maturity.			
 MANUKA	Intermediate	Globe	Excellent
Creamgold hybrid. Similar maturity to Mercedes. Potential for high packouts.			
 MIRELA	Early Short Day	Globe	Good
Good early vigour – comparable in maturity to Cavalier. Deep blue green foliage with strong field tolerance to Downy Mildew. Uniform globe shape bulbs with even maturity – strong bolting tolerance. Improved skin colour for an early short day type.			
 OLIVINE	Early Late Day	Globe	Excellent
Our first Early Late Day hybrid. Similar maturity to Murray Brown. Very uniform bulb shape and even maturity. Very dark brown skins. Excellent skin retention. Should give growers higher pack out compared to similar maturing OP varieties. Long term storage potential.			
 PLUTONUS	Intermediate	High globe, large	Excellent
Plutonus is an Intermediate, brown hybrid. It produces very firm, high globe bulbs with extremely good storage potential. Foliage is large, vigorous and strong against mildew. Should be trialled in the late part of the PLK timeslot.			





ONION

VARIETY	TYPE	BULB	STORAGE POTENTIAL
BROWN			
HYBRID			
 PYTHON	Very Early Intermediate	Globe, medium to large size	Very good
Very Early Intermediate brown hybrid possessing medium to large globe shaped bulbs. Generally highly single centred. Bulbs have very well retained attractive dark brown skins and very firm flesh. Good storage potential – especially considering its maturity class			
 RIMU	Early Intermediate	Very uniform globe, medium size	Excellent
An early intermediate brown onion, Rimu has very good bolt tolerance so can be sown in late Winter/early Spring. It produces extremely uniform globe shaped onions within a consistent size range resulting in high pack outs. It is considerably quicker maturing when compared to common PLK type OP varieties. Rimu has good storage ability and extremely attractive skins.			
 SAMANTHA	Very late Intermediate	Globe	Excellent
NEW. Late maturing, intermediate type for the storage market. High levels of bulb quality with beautiful golden brown skins and excellent retention. A unique combination of vigorous growth, extremely high yields, bulb quality and storage. Suitable for the late sowing markets of S.A and W.A			
 ZIRCON	Late Intermediate	Flattened globe	Medium
High yielding, very dark brown skins. Good heat tolerance. This variety fits in well to follow on from Goblin and shows quick skin colour development. Adaptable variety.			
RED			
HYBRID			
 CABERNET	Intermediate	Globe	Excellent
Very good plant vigour with good resistance to a range of foliar diseases. Very intense red colour with single centres. Tight neck - ideal for curing. Very good storage characteristics.			
 GAMAY	Late Short Day	Globe to flattened globe	Limited
Very adaptable red variety with excellent top vigour. The uniformly flattened globe shape offers excellent colour and good storage ability for its type. It has shown partial resistance to Downy Mildew.			
 MALBEC	Short Day	Flattened globe	Limited
Dark red, flattened globe shape with good storage for its type. Excellent top vigour with improved Downy Mildew tolerance compared to similar maturity. Should avoid soils with potential Pink Root issues.			
 PINOTAGE	Very Early Intermediate	Globe	Good
High quality red with very flexible planting slot. Approximately 10 days later than Gamay and 7-10 days earlier than Red Emperor.			
 RED EMPEROR	Intermediate	Flattened globe	Excellent
Vigorous plant habit with good partial resistance to foliar diseases compared with many red varieties. Very good intense red external colour and internal ring colour development with single centres. Flattened Globe to Grano shape with good handling and storage characteristics. Its tight neck makes it ideal for curing.			



ONION

VARIETY	TYPE	BULB	STORAGE POTENTIAL
WHITE			
OPEN POLLINATED			
GLADALAN WHITE	Mid Short Day	Globe, medium to large size	Fair
Adaptable variety well suited to many growing regions.			
WHITE SPANISH	Intermediate	Globe, medium size	Excellent
Very firm main season onion with outstanding skin retention. Industry standard for storage white.			
HYBRID			
 MISTY	Early Short Day	Globe, medium size	Good
Early Short Day white skinned onion. The variety has large, uniform globe-grano shaped bulbs (90 - 100 + mm depending on location, seasonal factors and planting date) which have good colour and skin retention. It has good firmness and storage ability for this type of onion.			
 WHITEHAVEN	Late Short Day	Uniform globe, medium to large size	Good
This variety exhibits a very firm white onion for the table market. Commercial plantings to date have shown a very strong tolerance to greening and a strong tolerance to Pink Root.			
VARIETY	MATURITY FROM SOWING	FOLIAGE	STEM TYPE
STRAIGHTLEAF			
OPEN POLLINATED			
STRAIGHTLEAF	10 weeks	Blue green, upright	Single stem
Suitable for year round cultivation.			
ZEFFA	10 weeks	Blue green, upright	Single stem
Suitable for year round production in Southern areas. Useful field tolerance to Mildew.			
 ZULU	10 weeks	Blue green, upright	Single stem
Noted for having excellent vigour particularly in the cooler months, Zulu has blue-green leaves with excellent wax cover. This variety has performed very well, particularly in Queensland against the market standard. Zulu has shown excellent uniformity.			
HYBRID			
 MARITA	10 weeks	Blue green, waxy	Long, thick single stem
NEW. Extremely uniform leaf characteristics. Dark blue green leaf colour with heavy leaf wax. Vigorous strong leaf and root system. Suitable for year round production.			

ORIENTAL VEGETABLES

VARIETY	MATURITY FROM SOWING	TYPE
CHINESE CABBAGE		
HYBRID		
 APACHE	55 - 60 days	Conical
Intermediate resistance to bacterial Soft Rot, Downy Mildew and Clubroot. Has a vigorous and uniform plant which is slow bolting. Apache is ideally suited for Spring and early Summer production.		
 CHEROKEE	70 - 85 days	Conical
Autumn / Winter and early Spring. Head size 2.5 - 3 kg. Slow bolting. Intermediate resistance to Clubroot.		
CHINESE GREENS		
OPEN POLLINATED		
 PAK CHOI - WHITE STEM	45 - 50 days	Upright, non heading
Open, non heading variety with pure white stems and glossy green leaves.		
HYBRID		
JOI CHOI	40 - 50 days	Non heading, very upright
Non heading loose leaf variety with ivory white stems.		
 PAK CHOI - GREEN STEM	8 - 9 weeks	Upright, non heading
Non Heading type with glossy green, bulbous stems and short rounded leaves.		





PARSLEY

VARIETY	MATURITY FROM TRANSPLANT	LEAF TYPE
FLAMENCO	10 - 12 weeks	Fine single curl, very dark green
Main season variety with strong stems. Excellent post harvest shelf life. Maintains dark green colour under warm conditions.		
FOREST GREEN	10 - 12 weeks	Green, double curl
Densely frilled. Rough curled foliage on medium thick stalks.		
GREEN PEARL	10 - 12 weeks	Dark green, double curl
Heavy densely frilled. Dark green curls on strong stalks. Good for Winter production. Low tendency to bolt.		
ITALIAN GIANT	10 - 12 weeks	Glossy, dark green, plain leaf
Large, dark green, plain leaf with a rich aromatic flavour. Very productive and recovers well after cutting.		
 LAICA	10 – 12 weeks	Glossy, large plain leaf
NEW. Dark green, smooth leaved parsley with very large leaves suitable for both fresh market or processing. Very fast development and large yields with good regeneration ability.		
 LAURA	10 – 12 weeks	Flat leaf, very dark green
NEW. Flat leaved selection with smooth, mid sized leaves. Leaf colour is very dark. Vigorous growth, very upright suitable for cutting and pot cultivation. Strong field resistance against Downy Mildew		






PARSNIP

VARIETY	MATURITY FROM SOWING	ROOT SHAPE	TOPS
TUSK	18 - 19 weeks	Tapered with broad shoulder	Strong, vigorous
Tusk has even smooth taper and round shoulders. Long, uniform white root with firm skin quality. Strong, heavy tops with a shallow crown.			




PUMPKIN

VARIETY	MATURITY FROM SOWING	FRUIT SHAPE	SIZE	SKIN	INTERNAL COLOUR
BUTTERNUT					
OPEN POLLINATED					
BUTTERNUT LARGE	16 - 19 weeks	Blocky	20 x 12cm	Mustard yellow	Bright orange
Produces blocky ended fruit on a manageable vine. Delicious flavour.					
BUTTERNUT WALTHAM	16 - 18 weeks	Pear	18 x 10cm	Mustard yellow	Deep orange
Fruit are tapered to the stem end. Reasonable keeping quality.					
HYBRID					
 HAVANA	15 – 18 weeks	Pear	19 x 19cm	Mustard yellow	Deep orange
NEW. Waltham type. Excellent fruit shape and size uniformity. Good internal colour with a small cavity. Outstanding yield potential.					
 JACQUELINE	15 – 18 weeks	Long, blocky	20 x 12cm	Mustard yellow	Deep orange
Very productive blocky fruit. Size and shape is uniform with tidy blossom end scar. Internal colour and texture is very good. Small cavity.					
 MATILDA	16 - 18 weeks	Blocky	40 x 15cm	Mustard yellow	Deep orange
High yielding Butternut Large type. Will make larger size than most Butternuts under cool conditions. Good storage ability. High recovery makes it ideal for processing.					
 TIANA	16 - 18 weeks	Long, blocky	18 x 8cm	Mustard yellow	Bright orange
High yielding. Small long blocky butternut around 1kg. High quality, consistent production. Intermediate resistance to ZYMV					

PUMPKIN

VARIETY	MATURITY FROM SOWING	FRUIT SHAPE	SIZE	SKIN	INTERNAL COLOUR
FIELD					
OPEN POLLINATED					
JARRAHDAL LARGE	16 - 18 weeks	Thick flat	35 x 22cm	Grey	Orange
Larger version of WA Grey. Produces good-sized fruit under cool conditions.					
JARRAHDAL W.A GREY	16 - 18 weeks	Thick flat	30 x 20cm	Grey	Orange
Semi ribbed, easy peeling pumpkin, popular in all markets.					
QUEENSLAND BLUE	18 - 22 weeks	Thick flat	28 x 20cm	Blue grey	Deep orange
Fruit are ribbed, with a small blossom end button. Flesh is quite dry.					
HYBRID					
 NELSON	14 - 16 weeks	Thick flat	26 x 16cm	Grey	Deep orange
Vigorous early bush type with fruit setting in crown of plant. Average fruit weight 4.5kg. Deep orange flesh with small cavity. Good flesh depth on shoulders.					
 SAMPSON	14 - 16 weeks	Thick flat	28 x 16cm	Grey	Deep orange
Slightly ribbed, concaved top with a heavy shoulder. Tapering to the base with a small blossom end. Exceptional dark orange flesh with a small cavity and thick 'meaty' shoulders. Good disease package.					
SWEET GREY	14 - 16 weeks	Deep flat	25 x 16cm	Slate grey	Deep orange
Early maturing variety with exceptional yield and flavour. Suitable for both fresh market and processing.					
KENT					
OPEN POLLINATED					
JAP IMPROVED	14 - 17 weeks	Thick flat	20 x 14cm	Mottled green	Orange
Produces delicious, sweet, fleshy pumpkins. Not recommended for storage.					
HYBRID					
 JACKAROO	14 - 17 weeks	Thick flat	20 x 15cm	Mottled green	Orange
Kent type. Produces sweet, fleshy, delicious pumpkins. Slightly ribbed. Small cavity with good internal colour. High yield potential.					
 RINGER	13 - 15 weeks	Thick	18 x 14cm	Mottled green	Dark orange
Quicker maturing than other Kent types. Generative type resulting in a larger crown set than other varieties which will result in large numbers of fruit that can be 1kg lighter in weight than Jackaroo. Superior internal quality and storage.					
SPECIALTY					
 ORANGE SUMMER	13 - 16 weeks	Flattened globe	16 x 12cm	Orange / red	Deep orange
Plant has good vigour and produces very uniform, attractive fruit. Will handle cooler conditions better than Golden Nugget.					


RADISH

VARIETY	MATURITY FROM SOWING	BULB	FOLIAGE
OPEN POLLINATED			
FIREBALL	25 - 30 days	Round, bright scarlet	Tall
Best performance during Winter months.			
KELSO	25 - 30 days	Semi-long cylindrical	Medium foliage
Specialty French Breakfast type radish with uniform, medium long, cylindrical bright red radish with a white tip. Excellent internal quality. Medium size, vigorous foliage. Very easy to bunch.			
 LONG WHITE CHINESE	55 - 60 days	Long, Asian type	Tall, semi upright
Suitable for warm season cultivation. Roots average 40 x 6cm.			
 RED MEAT	55 - 60 days	Round, white	Medium
Beautiful red flesh, bulb is round 7-9cm in diameter. Suitable for salads, pickling and cooking. Root weight is 150-200gr. Recommended season is Summer to Autumn.			
HYBRID			
 CELESTA	25 - 30 days	Round, deep red	Upright compact tops
Very uniform bulbs with intense red skins and crisp white flesh. Less splitting and marking than other varieties.			
EVE	20 - 25 days	Round, bright red	Compact, upright tops
Bright, light red radish for open field production. Very uniform shape and size bulbs. Compact upright tops. Early maturity and easy harvest.			
RUDOLPH	25 - 30 days	Round, deep red	Medium tops
Extremely uniform shaped roots, which have crisp white flesh.			

SALAD MIX

BEET			
RED LEAF			
Baby leaf beetroot. Very uniform size and colour. Develops the red colour in the leaf and adds extra colour to the salad mix. A unique product.			
LETTUCE			
VARIETY	PLANT TYPE	LEAF TYPE	DISEASE RESISTANCE
ARETHA	Cos	Red salad cos	BI 16-28
A new generation of red salad cos. The leaf colour is dark red and has a very thick, slightly blistered texture. Selected for improved shelf life and better performance against mildew.			
BOWIE	Red Tango	Highly serrated	BI 16-28
NEW. A more intense red colour than Opal it has similar growth times and leaf characteristics. The leaves have a strong texture which ensures that it washes very well.			
CILLA	Green Oak	Friiled green oak	BI 16, 18-20, 23-25
A green oak with a serrated leaf margin. The texture is very thick offering good shelf life and the colour is dark green. Good potential field yields and also offers multiple harvests.			
DYLAN	Cos	Lightly frilled, dark green	
Bred specifically for salad leaf production, this variety is characterised by its lightly frilled margin which adds something unique to the mix. The leaves have a fine attachment that reduces browning and increases shelf life. Strong texture and light cupping ensures easy washing and reduced bag stick after packing.			
GREEN EARTH	Green Oak	Lobed, serrated	BI 16, 18-20, 23-25
Thicker leaf texture gives very high yield potential. Multiple cuts possible. Good vigour for use during cooler periods. Suitable for direct seeding only.			
HENDRIX	Green Tango	Dark green, heavily serrated	BI 16,19,21,23, 25
A faster maturing Green Tango making it more suitable for Winter production or situations that require more vigour. It has excellent texture and is suitable for multiple harvests.			
HUCKNALL	Lollo Rossa	Red coral	BI 16-26
A high yielding dark red coral. The leaf has a thick texture and a slight blister giving it good wash recovery. Performed well in the field against Downy Mildew and Bacterial Leaf Spot.			
LANCASTER	Lollo Rossa	Red, savoyed leaf	BI 16, 19, 21, 23
Lollo Rossa type with excellent colour throughout the leaf. The leaf is semi savoyed with an upright growth habit.			
MARLEY	Green Tango	Highy incised	BI 16-23
The latest introduction – it is very high yielding. The colour is dark green and the leaf texture is strong. Marley washes well and complements Bowie.			



SALAD MIX

LETTUCE			
VARIETY	PLANT TYPE	LEAF TYPE	DISEASE RESISTANCE
ORBISON	Cos	Dark green	
A dark green cos, bred specifically for salad leaf production. This variety is a standard smooth leaved salad cos with an upright, slender growth habit and a small attachment giving it good shelf life. The leaf texture is thick with a light blister which washes and presents well.			
PRESLEY	Cos	Dark green, cupped	BI 16-26
A dark green, slender cos bred specifically for salad leaf production. It is an Orbison type with better mildew protection. Long, slender leaves with a very fine attachment. Cupped leaf with a light blister prevents bag stick and damage during washing. Shelf life is very good.			
SHEERAN	Red Oak	Dark red, lobed margins	BI 16-31
Sheeran is a new dark red oak leaf with a high level of Bremia resistance. It is high yielding with a slightly cupped leaf which helps ensure that it doesn't stick to the bag after washing.			
ZEPPELIN	Green Oak	Green, cupped	BI 16-28
Slammer type with more cupping in the leaf. Suited to a range of markets due to the holding ability.			
ROCKET			
 DARKITA	Speedy Rocket	Fine serrations, dark green	
NEW. Darker version of Gemini with finer leaf serrations. Fast maturity. Good post-harvest storage attributes.			
EXTREMA	Wild Rocket	Finely serrated	
This variety has a slightly bitter, peppery flavour with dark green, aromatic leaves. It has good bolting tolerance and re-grows well after harvest.			
GEMINI	Cultivated Rocket	Dark green, low internal yellowing, serrated	
Cultivated rocket with wild rocket appearance. Fast maturing and high yielding. Good post-harvest attributes. Slightly milder taste compared to wild rocket.			
SWISS CHARD			
RHUBARB RED		Bright green	
A very reliable variety which is popular in salad growers' programmes. It is selected for improved bright red stems which extend well into the leaf veins.			
TATSOI ORIENTAL			
SNOOKER	Red Tatsoi		
A hybrid miniature red tatsoi bred specifically for salad leaf production. The leaf is dark red and maintains its colour during warm periods. The habit is upright and the petiole length is long for easier harvest. The leaf shape is highly uniform.			

SILVERBEET

VARIETY	MATURITY FROM TRANSPLANT	FOLIAGE	PLANT HEIGHT
COMPACTA SLO BOLT	10 - 14 weeks	Dark green, savoyed	Compact 45 - 50cm
Suitable for bunching or whole plant marketing, slow bolting.			
FORDHOOK GIANT	9 - 10 weeks	Dark green, heavily savoyed	Up to 75cm
A reliable, high yielder particularly during warmer seasons. Mid-rib is broad and white.			
FORDHOOK MASTER	9 - 10 weeks	Dark green, heavily savoyed	Up to 75cm
Popular in all states, will produce well particularly in warmer seasons. Leaves up to 15cm in width, with broad, white mid-rib. Makes a top quality bunch.			
SUCCESS	9 - 10 weeks	Dark green, savoyed	40 - 45cm
Dark green savoyed leaves on short plant with white stems. Good for whole plant harvesting.			

SQUASH

VARIETY	MATURITY FROM SOWING	PLANT HABIT	SKIN	FRUIT SHAPE
HYBRID				
AFRICAN GEM	10 - 12 weeks	Trailing	Dark green, smooth	Round, spherical
Compact vigorous plant with short internodes. Maturity 50 – 60 days for baby gem and 70 – 80 days for mature fruit. Attractive dark green fruit that stores and transports well.				
 DELICA	12 - 17 weeks	Trailing	Dark green with lighter ribbing	Round, flattened
Kabocha / Japanese type squash. Fruit average 2 - 3kg in weight with a distinct sweet, dry nutty flavour.				
GOLDEN BUTTONS	6 - 8 weeks	Bush	Golden yellow	Round, flattened
Scallop edged button squash. Superb eating qualities. Greening can occur under certain conditions.				
 POTKIN SMALL	14 - 15 weeks	Trailing	Almost black with lighter ribbing	Deep round up to 3.5kg
Produces delicious dry fruit which has outstanding storage potential.				
SUNBURST	5 - 7 weeks	Bush	Golden yellow	Flattened with scalloped edge
For best flavour, harvest at diameter of 6 - 8cm. Can show greening under certain conditions.				


SWEDE

VARIETY	MATURITY FROM SOWING	ROOT SHAPE
OPEN POLLINATED		
LAURENTIAN	16 - 17 weeks	Globe, 13 - 14cm
Produces a more refined product suitable for processing. High yielding.		


SWEETCORN

VARIETY	MATURITY FROM SOWING	COB	DISEASE RESISTANCE
HYBRID			
BROADWAY	82 - 85 days	Bright yellow	MR : ET IR: PS; MDMV
Early maturing, robust, sturdy plants that produce a uniform plant stand. Produces attractive uniform cylindrical cob with good tip fill. Cobs are 18 – 19cm with excellent husk protection and a dark flag.			

TOMATO

VARIETY	MATURITY FROM TRANSPLANT	FRUIT TYPE	PLANT HABIT	DISEASE RESISTANCE
GRAPE				
HYBRID				
FESTIVAL	9 - 10 weeks	Grape - golden orange 15 - 20g	Indeterminate, requires trellising	TMV & TYLCV
Sweet, high flavoured grape with intense golden orange colour. Good heat set ability with good firmness and long shelf life. High cracking tolerance. Very productive with large trusses of fruit.				
GRAPE 25	9 - 10 weeks	Grape shaped, red 15 - 20g	Indeterminate, requires trellising	V, F1, F2, TMV
Very productive plant. Early maturing firm fruit with long shelf life. Suitable as a truss. Brilliant red colour with good uniformity.				
 PUMBA	10 weeks	Mini plum 15 - 20g	Indeterminate, requires trellising	TYLC, TSWV
NEW. Strong plant habit providing good fruit cover. Grape shaped fruit that holds size to top of the plant. Observed good tolerance to TYLC & TSWV.				
FIELD TYPES - ROMA SEMI-DETERMINATE				
OPEN POLLINATED				
ROMA	9 - 10 weeks	Red 60 - 75g	Semi determinate, ground or trellis	V, F2
A popular variety especially for sauce and drying.				
FIELD TYPES - ROUND DETERMINATE				
OPEN POLLINATED				
FLORADADE	10 - 12 weeks	Round, red, jointless 130 - 140g	Trellis for best results	V, F2
Very firm fruited variety still well accepted on all markets.				
HYBRID				
TUSCAN SUN	10 - 12 weeks	Globe 170 - 180g	Tall, requires trellising	BW, F1, F2, N, PM, TSWV, V
Large fruit with good colour and excellent flavour. Jointless.				



TOMATO

VARIETY	MATURITY FROM TRANSPLANT	FRUIT TYPE	PLANT HABIT	DISEASE RESISTANCE
FIELD TYPES - ROUND INDETERMINATE				
OPEN POLLINATED				
GROSS LISSE IMPROVED	10 - 12 weeks	Round, red 150g	Stake or trellis	V, F1
Suitable for home garden and roadside sales. Excellent flavour.				
HYBRID				
ARTEMIS	12 - 13 weeks	Globe, red 160-180g	Trellis	V, F1, F2, TMV, TSWV, BW, N, PM
Vigorous growth for Winter production with very high yield potential. Fruit colour is red to deep red with no green shoulders. A long shelf life tomato.				
 SYLVIANA	10 - 12 weeks	Deep globe, red 180g	Trellis	TMV; Ff; TSWV; TYLCV; F3;V; N
Vigorous strong plant. Uniform medium to large sized fruit with extended shelf life. Fruit sizes evenly up the vine. <i>Fertiliser applications and amounts need to be considered.</i>				




TURNIP

VARIETY	MATURITY FROM SOWING	ROOT SHAPE
OPEN POLLINATED		
PURPLE TOP WHITE GLOBE	10 - 11 weeks	Globe, 7 - 8cm
The upper part of the root is glossy purple with the lower section vivid white.		

WATERMELON

VARIETY	MATURITY FROM SOWING	FRUIT SHAPE	SIZE	FLESH COLOUR
SEEDLESS				
HYBRID				
RUBY	13 - 14 weeks	Round	10 - 12kg 27 x 25cm	Intense red
Attractive dark green stripe on a medium-light green background. Flesh is very dense, resulting in a relatively heavy melon, intense red with an excellent "watermelon flavour", as well as being sweet.				
SEEDED				
OPEN POLLINATED				
ALL SWEET	16 - 17 weeks	Long	12 - 14kg 45 x 22cm	Bright red
Mid green with dark green stripes. A sister line to Crimson Sweet. Sweet, juicy and ships well. <i>Suitable as a pollinator.</i>				
CANDY RED	15 - 16 weeks	Long	13 - 14kg 50 x 22cm	Red
Grey green. Carries exceptionally well with little tendency to hollow heart.				
MICKYLEE	12 - 13 weeks	Round	4 - 6kg	Bright red
Skin colour is light grey / green. Hard, tough rind – suitable for shipping. Flesh texture is firm but not tough. Resistance: Fusarium Wilt Race 1; Anthracnose Race 1. <i>Suitable as a pollinator.</i>				
WARPAINT	14 - 15 weeks	Round	11 - 13kg 30 x 35cm	Intense red
Mid green with a darker green jagged stripe. Still a popular variety due to its excellent transportability and premium quality fruit.				
HYBRID				
KRUGER	13 - 14 weeks	Blocky, long-oblong	9 - 11kg 35 x 22cm	Red
Blocky All Sweet type with good yield potential. Excellent internal colour and cuts very well. Externally it has less of the light green striping giving an overall darker appearance. Useful Fusarium and Anthracnose resistance. <i>Suitable as a pollinator.</i>				
 RIVERSIDE	13 - 14 weeks	Elongated	10 – 15kg 20 x 38 cm	Red
Riverside produces a vigorous plant, with high setting, producing elongated fruit with a wide dark stripe. Flesh is deep red, crisp and sweet. It has very good shelf life.				
POLLINATOR				
VARIETY	DAYS TO 50% FLOWERING			
 OX	22 days			
Strong, hardy plant that is adaptable. Large, open flowers are inviting to bees. Continuous production of male flowers over an extended period. More male flowers /m ² . Fruit is a distinct light grey/green colour but is not harvestable. Shows useful field tolerance to a range of diseases.				

ZUCCHINI

VARIETY	MATURITY FROM SOWING	PLANT HABIT	SKIN	FRUIT SHAPE
HYBRID				
 GOLDIE	7 - 9 weeks	Strong, open plant	Bright golden yellow	Slightly bulbous cylindrical
The strong plant produces high yields of bright yellow, attractive fruit. Stems are contrasting dark green.				
 LIBERTY	5 – 7 weeks	Open bush	Glossy dark green	Cylindrical
High quality hybrid with uniform glossy fruit - 20cm x 5cm. Medium sized open spineless plant. Disease resistance PRSV; WMV; ZYMV				
MAMBA	5 - 7 weeks	Open bush	Very dark green	Slender
Very early and very high yield potential. Similar field disease resistances to Regal Black.				
 MONARCH	5 – 7 weeks	Open bush	Glossy dark green	Cylindrical
High quality hybrid with uniform glossy fruit - 20cm x 5cm. Medium sized open spineless plant. Disease resistance : ZYMV				
ZEINA	5 - 7 weeks	Semi-open bush	Green - white	Bulbous
Lebanese type. Very vigorous plant - high yielding. Fruit is 10 - 15cm in length. Light green in colour. Uniformly tapered at the stem end - wider at blossom end.				

PLANT POPULATION PER HECTARE

PLANT SPACING (CM)	1.5 M BEDS					1.7 M BEDS		2.4 M BEDS	3 M BEDS
	6 ROWS	4 ROWS	3 ROWS	2 ROWS	1 ROW	2 ROWS	1 ROW	1 ROW	1 ROW
1CM	4020000	2680000	2010000	1340000	670000	1176400	588200	416700	333300
2CM	2010000	1340000	1005000	670000	335000	588200	294100	208350	166650
3CM	1340000	893333	670000	446667	223333	392133	196067	138900	111100
4CM	1005000	670000	502500	335000	167500	294100	147050	104175	83325
5CM	804000	536000	402000	268000	134000	235280	117640	83340	66660
6CM	670000	446667	335000	223333	111667	196067	98033	69450	55550
7CM	574286	382857	287143	191429	95714	168057	84029	59529	47614
8CM	502500	335000	251250	167500	83750	147050	73525	52088	41663
9CM	446667	297778	223333	148889	74444	130711	65356	46300	37033
10CM	402000	268000	201000	134000	67000	117640	58820	41670	33330
12CM	335000	223333	167500	111667	55833	98033	49017	34725	27775
15CM	268000	178667	134000	89333	44667	78427	39213	27780	22220
18CM	223333	148889	111667	74444	37222	65356	32678	23150	18517
20CM	201000	134000	100500	67000	33500	58820	29410	20835	16665
25CM	160800	107200	80400	53600	26800	47056	23528	16668	13332
30CM	134000	89333	67000	44667	22333	39213	19607	13890	11110
37CM	108649	72432	54324	36216	18108	31795	15897	11262	9008
44CM	91364	60909	45682	30455	15277	26736	13368	9470	7575
50CM	80400	53600	40200	26800	13400	23528	11764	8334	6666
60CM	67000	44667	33500	22333	11167	19607	9803	6945	5555
80CM	50250	33500	25125	16750	8375	14705	7353	5209	4166
100CM	40200	26800	20100	13400	6700	11764	5882	4167	3333
120CM	33500	22333	16750	11167	5583	9803	4902	3473	2778
180CM	22333	14889	11167	7444	3722	6536	3268	2315	1852
200CM	20100	13400	10050	6700	3350	5882	2941	2084	1667
250CM	16080	10720	8040	5360	2680	4706	2353	1667	1333
300CM	13400	8933	6700	4467	2233	3921	1961	1389	1111
350CM	11486	7657	5743	3829	1914	3361	1681	1191	952

USE THIS CHART TO DETERMINE ACTUAL NUMBER OF PLANTS PER HECTARE PLANTED.

No allowance has been made for headlands, spray rows, irrigation channels, etc, in these calculations.

SEED REQUIREMENT PER HECTARE IN GRAMS AND KILOGRAMS

SEEDS PER GRAM

PLANTS PER HECTARE (000)	SEEDS PER GRAM																											
	0.5	1	2	4	6	8	10	15	20	25	50	100	150	200	300	400	500	750	1000	1250	1500	2000	2500	3000				
1	2.0	1.0	500	250	175	125	100	67	50	40	20	10	7	5														
2	4.0	2.0	1.0	500	333	250	200	133	100	80	40	20	13	10	6.7	5.0												
2.5	5.0	2.5	1.3	625	417	313	250	167	125	100	50	25	17	13	8.3	6.3	5											
3	6.0	3.0	1.5	750	500	375	300	200	150	120	60	30	20	15	10	7.5	6											
3.5	7.0	3.5	1.8	875	583	438	350	233	175	140	70	35	23	18	12	8.8	7											
4	8.0	4.0	2.0	1.0	667	500	400	267	200	160	80	40	27	20	13	10	8	5.3										
4.5	9.0	4.5	2.3	1.1	750	563	450	300	225	180	90	45	30	23	15	11	9	6.0										
5	10	5.0	2.5	1.3	833	625	500	333	250	200	100	50	33	25	17	13	10	6.7	5									
5.5	11	5.5	2.8	1.4	917	688	550	367	275	220	110	55	37	28	18	14	11	7.3	5.5									
6	12	6.0	3.0	1.5	1.0	750	600	400	300	240	120	60	40	30	20	15	12	8.0	6									
7	14	7.0	3.5	1.8	1.2	875	700	467	350	280	140	70	47	35	23	18	14	9.3	7	5.6								
8	16	8.0	4.0	2.0	1.3	1.0	800	533	400	320	160	80	53	40	27	20	16	11	8	6.4	5.3							
9	18	9.0	4.5	2.3	1.5	1.1	900	600	450	360	180	90	60	45	30	23	18	12	9	7.2	6.0							
10	20	10	5.0	2.5	1.7	1.3	1.0	667	500	400	200	100	67	50	33	25	20	13	10	8	6.7	5.0						
13	26	13	6.5	3.1	2.1	1.6	1.3	833	650	500	250	125	83	63	42	31	25	17	12.5	10	8.3	6.3	5.0					
15	30	15	7.5	3.8	2.5	1.9	1.5	1.0	750	600	300	150	100	75	50	38	30	20	15	12	10	7.5	6.0	5.0				
18	36	18	9.0	4.4	2.9	2.2	1.8	1.2	875	700	350	175	117	88	58	44	35	23	17.5	14	12	8.8	7.0	5.83				
20	40	20	10	5.0	3.3	2.5	2.0	1.3	1.0	800	400	200	133	100	67	50	40	27	20	16	13	10	8.0	6.67				
25	50	25	13	6.5	4.2	3.1	2.5	1.7	1.3	1.0	500	250	167	125	83	63	50	33	25	20	17	13	10	8.33				
30	60	30	15	7.5	5.0	3.8	3.0	2.0	1.5	1.2	600	300	200	150	100	75	60	40	30	24	20	15	12	10				
35	70	35	18	8.8	5.8	4.4	3.5	2.3	1.8	1.4	700	350	233	175	117	88	70	47	35	28	23	18	14	12				
40	80	40	20	10	6.7	5.0	4.0	2.7	2.0	1.6	800	400	267	200	133	100	80	53	40	32	27	20	16	13				
50	100	50	25	13	8.3	6.3	5.0	3.3	2.5	2.0	1.0	500	333	250	167	125	100	67	50	40	33	25	20	17				
60	120	60	30	15	10	7.5	6.0	4.0	3.0	2.4	1.2	600	400	300	200	150	120	80	60	48	40	30	24	20				
70	140	70	35	18	12	8.8	7.0	4.7	3.5	2.8	1.4	700	467	350	233	175	140	93	70	56	47	35	28	23				
80	160	80	40	20	13	10	8.0	5.3	4.0	3.2	1.6	800	533	400	267	200	160	107	80	64	53	40	32	27				
90	180	90	45	23	15	11	9.0	6.0	4.5	3.6	1.8	900	600	450	300	225	180	120	90	72	60	45	36	30				
100	200	100	50	25	17	13	10	6.7	5.0	4.0	2.0	1.0	667	500	333	250	200	133	100	80	67	50	40	33				
150	300	150	75	38	25	19	15	10	7.5	6.0	3.0	1.5	1.0	750	500	375	300	200	150	120	100	75	60	50				
200	400	200	100	50	33	25	20	13	10	8.0	4.0	2.0	1.3	1.0	667	500	400	267	200	160	133	100	80	67				
250		250	125	63	42	31	25	17	13	10	5.0	2.5	1.7	1.3	833	625	500	333	250	200	167	125	100	83				
300		300	150	75	50	38	30	20	15	12	6.0	3.0	2.0	1.5	1.0	750	600	400	300	240	200	150	120	100				
350		350	175	88	58	44	35	23	18	14	7.0	3.5	2.3	1.8	1.2	875	700	467	350	280	233	175	140	117				
400		400	200	100	67	50	40	27	20	16	8.0	4.0	2.7	2.0	1.3	1.0	800	533	400	320	267	200	160	133				
500		500	250	125	83	63	50	33	25	20	10	5.0	3.3	2.5	1.7	1.3	1.0	667	500	400	333	250	200	167				
750			375	188	125	94	75	50	38	30	15	7.5	5.0	3.8	2.5	1.9	1.5	1.0	750	600	500	375	300	250				
1000			500	250	167	125	100	67	50	40	20	10	6.7	5.0	3.3	2.5	2.0	1.3	1.0	800	667	500	400	333				
1500				375	250	188	150	100	75	60	30	15	10	7.5	5.0	3.8	3.0	2.0	1.5	1.2	1.0	750	600	500				
2000				500	333	250	200	133	100	80	40	20	13	10	6.7	5.0	4.0	2.7	2.0	1.6	1.3	1.0	800	666				
2500					417	313	250	167	125	100	50	25	17	13	8.3	6.3	5.0	3.3	2.5	2.0	1.7	1.3	1.0	833				
3000					500	375	300	200	150	120	60	30	20	15	10	7.5	6.0	4.0	3.0	2.4	2.0	1.5	1.2	1.0				
3500						438	350	233	175	140	70	35	23	18	12	8.8	7.0	4.7	3.5	2.8	2.3	1.8	1.4	1.2				
4000						500	400	267	200	160	80	40	27	20	13	10.0	8.0	5.3	4.0	3.2	2.7	2.0	1.6	1.3				
4500							450	300	225	180	90	45	30	23	15	11.3	9.0	6.0	4.5	3.6	3.0	2.3	1.8	1.5				
5000							500	333	250	200	100	50	33	25	17	12.5	10.0	6.7	5.0	4.0	3.3	2.5	2.0	1.7				

USE THIS CHART TO DETERMINE QUANTITY OF SEED REQUIRED TO PLANT.

NOTE: Raw figures used, so allowance must be made for germination loss, field emergence, double sowing, planter accuracy & losses to insects or disease which may cause seed usage to be increased by, in some cases, 50-100%.



PRODUCTION GUIDE

VEGETABLE	SEEDS REQUIRED PER HECTARE		SEEDS PER GRAM (Approx.)	APPROX. QUANTITY FOR 30 METRES (gram)	PLANTING DISTANCE (Approx.)		OPTIMUM GERMINATION CONDITIONS		USUAL CROP MATURITY (Days)	PLANTING DEPTH (cm)
	DIRECT (kg)	TRANSPLANT (gram)			BETWEEN THE ROWS (cm)	APART IN ROW (cm)	SOIL TEMPERATURE (°C)	EMERGENCE TIME (Days)		
Asparagus	6	2000	50	10	150	10 or 50	15 - 25	15	3 - 4 years	2.0
Beans Broad	100	-	1	250	40 - 90	10 - 20	5 - 25	10	120 - 140	4.0
Beans Dwarf	60	-	3 - 5	150	50 - 60	5 - 10	16 - 30	7	50 - 70	4.0
Beans Runner	70 - 90	-	4	70	100	10 - 15	16 - 30	7	60 - 90	4.0
Beetroot	5 - 8	-	55	15	25 - 40	5 - 10	10 - 30	8	55 - 65	2.0
Broccoli	1	300	200 - 320	5	60 - 90	30 - 60	10 - 30	8	65 - 120	1.5
Brussels Sprouts	1	300	250 - 320	5	60 - 90	30 - 60	10 - 30	8	120 - 150	1.5
Cabbage	1	300	250 - 320	5	60 - 90	30 - 60	10 - 30	8	60 - 120	1.5
Capsicum	2 - 3	450	120 - 160	5	60 - 90	30 - 60	20 - 30	10	65 - 85	1.0
Carrot	2 - 5	-	600 - 1000	5	25 - 40	2 - 5	10 - 30	8	70 - 120	1.5
Cauliflower	1	200	200 - 320	5	60 - 90	30 - 70	10 - 30	8	100 - 160	1.5
Celery	-	250	2000 - 2400	5	30 - 40	20 - 40	16 - 20	12	85 - 120	0.5
Corn	12 - 15	-	4 - 6	50	70 - 100	15 - 30	18 - 30	6	70 - 120	3.0
Cucumber	2	-	30 - 35	5	120 - 180	30 - 60	18 - 30	5	55 - 75	3.0
Eggplant	-	200	200 - 250	20	60 - 90	60	25 - 30	9	70 - 90	1.0
Kohl Rabi	2	-	300	5	30 - 40	5 - 10	20 - 25	5	65 - 70	1.5
Leek	3	1000	350	5	40 - 50	15	10 - 30	8	130 - 150	2.0
Lettuce	2	1000	800 - 1000	5	30 - 50	20 - 30	8 - 25	5	65 - 90	1.5
Melon - Rock	1.0 - 1.5	-	30 - 35	5	150 - 200	30 - 60	25 - 30	5	90 - 120	3.0
Melon - Water*	2 - 3	-	10 - 30	10	200 - 250	30 - 60	25 - 30	5	80 - 120	3.0
Onion	3 - 4	-	280 - 300	5	25 - 40	5 - 8	15 - 30	8	170 - 200	1.5
Onion - Bunching	12	-	280 - 300	10	10 - 30	2	15 - 30	8	80 - 100	1.5
Parsley	4 - 5	-	600 - 1000	5	30 - 40	10 - 20	10 - 25	15	70 - 90	1.0
Parsnip	4 - 5	-	250 - 400	5	25 - 40	2 - 5	10 - 20	14	130 - 150	2.0
Peas	70 - 80	-	5	125	20 - 60	5 - 7	8 - 20	8	60 - 120	3.0
Pumpkin	3	-	4 - 6	10	200 - 300	50 - 200	20 - 30	7	110 - 150	3.0
Radish	12	-	80 - 100	25	30	2	10 - 30	5	30 - 40	2.0
Silverbeet	6	-	40 - 60	5	40 - 50	20 - 30	10 - 30	7	65 - 70	2.0
Spinach	12	-	100 - 130	25	30 - 40	8 - 10	10 - 20	8	40 - 60	2.0
Squash/Courgette	2.5 - 3	-	5 - 10	10	150	30 - 60	20 - 30	7	45 - 120	3.0
Tomato	1.5	100	250 - 350	5	100 - 150	30 - 90	18 - 25	8	80 - 120	1.0
Turnip/Swede	2	-	450	5	30 - 40	5 - 10	18 - 30	5	60 - 100	1.5

* Many Watermelon Hybrids have smaller seed (20 per gram) so only 2kg are required per hectare



Thinking Onion Seeds? Think **Terranova** Seeds!

Proven & reliable performers from **ENZA ZADEN**.

RIMU Hybrid Brown Onion

Early intermediate brown hybrid onion

Very uniform globe, medium size

Excellent

Very good bolt tolerance

Extremely uniform globes

Very attractive skins



MANUKA Hybrid Brown Onion

Mid intermediate PLK

Similar maturity to Mercedes

Potential for high packouts

Globe shaped bulb

Excellent storage potential



Enza Zaden intermediate hybrid onions.

ZIRCON Hybrid Brown Onion

Late intermediate brown hybrid

High yielding

Dark brown skins

Good heat tolerance

Adaptable variety

Quick skin colour development

Medium storage potential



CABERNET Hybrid Red Onion

Vigorous plant habit

Very intense red external colour & internal ring colour

Highly single centres

Globe shape

Very good handling & storage characteristics

Tight neck - ideal for curing



Sales Orders: Phone: (02) 9725 1088 Fax: (02) 9725 1066. For production guides and cultural notes visit www.terravaseeds.com.au

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Thinking quality Pumpkins? Think Enza Zaden & **Terranova.**

Introducing our range of outstanding Pumpkins & Butternuts from Enza.

JACQUELINE Hybrid Butternut



- Appears to have good field tolerance to Powdery Mildew. Healthy plants assists in achieving a high yield potential.
- Outstanding internal quality, bright orange, firm, sweet flesh, with a small seed cavity
- Fruit set is excellent. Plant holds a larger number of set than other varieties

RINGER Hybrid - Kent Type



- Early maturing
- Very uniform maturity
- Up to two weeks quicker maturing than industry standards
- Extremely good setting ability. Medium to large sized fruit
- Good field tolerance to leaf disease



Sampson Hybrid Pumpkin

- 5 - 7kg, 28 x 16cm
- Slightly ribbed, concave top. Thick 'meaty' shoulders - tapering to base with small blossom end
- Exceptional dark orange flesh, small seed cavity
- Vigorous variety with good virus resistance package
- Good storage & shipping characteristics



Tiana Hybrid Butternut

- Excellent fruit shape and size uniformity
- Long, blocky shape
- Skin colour is tan colour at maturity & very smooth
- Fruit size is 1.0 - 1.2kg (18 x 8cm)
- Excellent internal quality. Dark orange, firm, sweet flesh with a small seed cavity
- Outstanding yield potential



Nelson Hybrid Grey Pumpkin

- Vigorous early maturing bush type with fruit setting on the crown of the plant
- Very good flesh quality for a bush type. Dark orange flesh and a small seed cavity
- Fruit size is 4 - 6kg
- Good flesh depth at shoulder
- Medium storage potential
- Good yield potential, bush type allows for high plant population



Matilda Hybrid Butternut

- High yielding butternut large type
- Will make larger size than most butternuts even under cool conditions
- Orange sweet flesh with good storage ability
- High recovery makes this variety an ideal processor
- Good disease resistance



Orange Summer Hybrid Specialty Pumpkin

- Round fruit shape and good uniformity
- Fruit is attractive orange/red colour
- Fruit size is 1.2 - 1.6kg
- Orange Summer is an improved Uchiki Kuri hybrid, with earlier maturing & better uniformity
- Germinates well under cool conditions
- Good yield potential



Jackaroo Hybrid Kent Type

- 4 - 5kg uniform shape and size
- Slightly ribbed smooth with a small cavity
- Good internal colour
- High yield potential

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