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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. | | | |



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




CUCUMBER - LEBANESE / CONTINENTAL

| 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 SEED 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.terravanaseeds.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



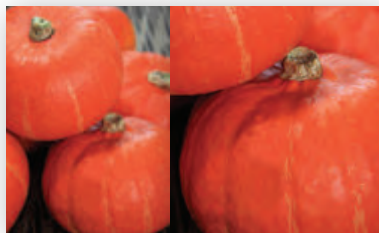
Nelson Hybrid Grey Pumpkin

- 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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