

GRAPEVINE CATALOGUE

Vitis vinifera

Vitis vinifera (Common Grape Vine) is a species of *Vitis*, native to the Mediterranean region, central Europe, and southwestern Asia, from Morocco and Spain north to southern Germany and east to northern Iran

Wild grapes were harvested by foragers and early farmers. For thousands of years, the fruit has been harvested for both medicinal and nutritional value; its history is intimately entwined with the history of wine.

Changes in pip shape (narrower in domesticated forms) and distribution, point to domestication occurring about 3500-3000 BC in southwest Asia or South Caucasus (Armenia and Georgia). Cultivation of the domesticated grape spread to other parts of the Old World in pre-historic or early historic times.

Grapes followed European colonies around the world, coming to North America around the 1600s, and to Africa, South America and Australia.

Today many different varieties of grapes have been developed and are produced for making wine, fresh and dried fruit.



ACCREDITED VINE NURSERY

Sunraysia Nurseries is an Accredited VINA (Vine Industry Nursery Association) Grapevine Nursery.



GRAPEVINE PRODUCT OPTIONS

MIST PROPAGATED PLANT TUBE/PLANT BAND ROOTLING

This technique is used when cutting material is in short supply, mainly newly released or specific varieties. The technique of mist propagation enables more rapid multiplication of selections which are in short supply. However it is to all intents and purposes, the same as the grapevine field rootling except its transplantable all year round and more expensive.

150MM POT GRAPEVINE ROOTLINGS

The 150mm pot grown rootling is produced in the same manner as the mist propagated tube/plant band rootling, but in a larger container size. The rootling is produced in this manner for the home gardeners use. It facilitates year round transplanting without root disturbance.

FIELD PROPAGATED GRAPEVINE ROOTLINGS

A grapevine field rootling is produced by the cheapest propagating technique. A dormant 30cm cutting is planted in the ground in spring, and lifted the following winter, graded, heat treated and packed for shipment into plastic lined cartons and covered with moist sawdust shavings. Vines on their own roots do not have the same vigour, are more susceptible to soil borne pests and less tolerant to some soil conditions.

GRAFTED GRAPEVINES

The grapevine graftling requires the most expensive propagation technique, where the fruiting variety (i.e. scion) is grafted to a rootstock with inherent advantageous characteristics. The characteristics include increased vigour, resistance to nematodes and phylloxera, tolerance to lime or salinity and the ability to tolerate heavy or light soil types.

The selection of rootstocks is important as all stocks vary in their degree of resistance and tolerance. The correct combination of stock and scion will result in greatly increased fruit yields and fruit quality. Graftlings are particularly advantageous when replanting old horticultural soils or as replants in an established vineyard when competition exists from neighbouring vines. However, more and more Viticulturists are opting to plant graftlings, even in virgin soil.

Our scion and stock is united with bench mounted grafting machines. The vines are then placed into a sophisticated environment controlled greenhouse to callus.

One callused, the vine is either transferred to our field nursery to be sold the following winter as a dormant field graftling, or is potted into a bio-degradable container (plant band) using soilless potting mix and sold the following winter/spring as a container grown graftling.

ROOTSTOCK SELECTION

There are many criteria which must be taken into consideration when choosing the correct rootstock for a particular situation. For detailed information on rootstock selection please see our Grapevine Rootstock catalogue.

HOT WATER TREATMENT

Sunraysia Nurseries have led the way in Hot Water Treatment of grapevines. We hot water treat cuttings pre-propagation, for 30 minutes @ 50° c, (+ or - 1° c). Our field grown vines are lifted, graded, pre-trimmed ready for transplanting, hot water treated for 5 minutes @ 54°c (+ or - 1°c), unless otherwise requested, and packed for despatch into moisture encased, Trichoderma inoculated, plastic lined cartons.

PRE-TRIMMED

All our field vines are pre-trimmed. The pre-trimming evidences that each vine has been individually inspected and the trimming is conducted under strict hygienic conditions. By reducing the number of buds and roots, we are optimising the growth of a few buds/roots, rather than trying to promote a small amount of growth, in each of many buds and roots. Pre-trimming also makes the vine cheaper to freight and easier to handle at the time of planting, thus saving the Customer/Contract Planter time and money because they don't have to do it.

STORAGE INSTRUCTIONS FOR FIELD VINES

- ◆ No "heeling in" is necessary. Store cartons in a cool, dry place, away from direct sunlight, until transplanting. If cool storing, we suggest a temperature of 1°- 2°.
- ◆ **However, we strongly recommend the shortest possible storage period.**
- ◆ Invert carton each 2 weeks of storage to evenly rotate moisture within the carton. Failure to do so may result in bottom layers of vines within each carton drying out. Store cartons upside down upon receipt.

PLANTING INSTRUCTIONS FOR FIELD VINES

- ◆ Transplant to vineyard before budburst. **CHECK LABEL ON EACH BUNDLE BEFORE OPENING TO AVOID VARIETY MIXES.**
- ◆ These Field vines have been pre-trimmed ready for planting and **do not require additional trimming prior to transplanting.** The pre-

trimming evidences that each vine has been individually inspected prior to packaging.

- ◆ We have waxed these vines to reduce desiccation, which will improve transplanting.
- ◆ All bare roots must be soaked in water for a minimum of 24 hours immediately before transplanting, to ensure they are fully loaded with water. The cartons make an ideal vessel for soaking the vines in. Simply remove the lid and place the base into the up-turned lid, to create a double wall. Pull back the plastic to create a liner and place the bundles up-right. Fill with water and allow the vines to soak overnight. Puncture the box and bag after soaking to allow water to escape.
- ◆ Prepare a 15cm x 30cm planting hole and fill with water. Preferably with a pressurised water jet.
- ◆ Place vine in the hole, ensuring that all roots are in a downward position. Back fill with topsoil and press firmly to expel any air pockets.
- ◆ We strongly recommend daily irrigations until plants evidence successful establishment.
- ◆ Continue to **WATER FREQUENTLY**, especially in hot weather and drought years.

VINEYARD MANAGEMENT

Protection from wind and sandblast in the first year of establishment is very important. Rye corn is ideal for this purpose as it grows quickly during winter and offers good protection in Spring and Summer.

RYE CORN WINDBREAKS

- ◆ Sow rye corn in early Autumn
 - 70kg of rye corn
 - 190kg of superphosphate
- ◆ Rotary hoe in early Spring and leave a rye corn strip 600mm wide for wind protection in the inter row.
- ◆ Wind protection provided by rye corn strips improves vine growth and assists in vine training.
- ◆ "Vine Wraps" should be affixed with each transplant, to further protect young vines.

TRAINING INSTRUCTION FOR YOUNG GRAPEVINES

FIRST SEASON

- ◆ Position trellis posts and attach a single fruiting wire.
- ◆ Place a wire hook in the ground next to the vine and tie a twine from the hook to the foliage wire.
- ◆ To ensure that construction does not occur during training do not attach twine to the vine.
- ◆ Once the vine has begun to produce shoots select the strongest and straightest and train it up to the twine for support.
- ◆ Allow the other shoot growth to remain unchecked and untrained to increase root growth. Trim these

shoots off only when the trained shoot is secured to the twine by its own tendril growths.

SECOND SEASON

- ◆ During the following Winter remove all canes than the vertical cane trained to the fruiting wire.
- ◆ Trim the vertical cane to 45-60cm below the height of the fruiting wire.
- ◆ Complete construction of tee trellis if required.
- ◆ During early Spring, train a cane to each wire. Under very good conditions this training can be achieved during the first season.
- ◆ With less vigorous varieties, (eg Gordo, Traminer etc), reduce first crop by removing bunches prior to flowering to avoid over cropping of young vines. Thus ensuring increased cropping levels in the subsequent year.

POST TRANSPLANTING FERTILIZER PROGRAM

TIMING OF APPLICATION	UREA PER VINE	DIAMETER OF ROOT ZONE
1 MONTH AFTER PLANTING JAN FEB	40gm 50gm 50 – 60gm	0.6m (2') 0.9m (3') 1.2m (4')

PEST AND DISEASE

Ensure young vine plantings receive all normal disease prevention spray programs.

RED WINE VARIETIES

ALVERELHO Red wine variety. Port type. Small black fruit. matures mid season. Spur pruned.

BARBERA Red wine variety. Small black fruit maturing mid season. Suitable for hot climates. Spur pruned.

BASTARDO Red wine variety. Port type. Small black fruit. Early maturing. Spur pruned.

CABERNET FRANC Excellent red wine variety. Like Cabernet Sauvignon, one of the highest regarded Bordeaux varieties. Small black fruit maturing mid season. Spur pruned.

CABERNET SAUVIGNON Certified virus free stocks available. An excellent red wine variety. Small black fruit maturing mid season. Cane pruned or spur pruned.

CARIGNAN Heavy producing red wine variety. Fruit maturing mid season. Spur pruned

CINSAUT (SYN BLUE IMPERIAL, BLACK PRINCE, ULLIADE, BLACK MALVOISIE.) Red wine variety. Black medium size fruit maturing mid season. Spur pruned.

DURIF Red wine variety. Medium black fruit maturing mid season. Spur pruned.

FRONTIGNAC (SYN. BROWN MUSCAT.) Red wine variety. Muscat flavour. Deep red small juicy fruit early maturing. Spur pruned.

GAMAY BEAUJOLAIS Certified virus free stock available. A good red wine variety. Medium size black fruit maturing early. Spur pruned.

GRENACHE Red wine variety. Small black juicy fruit maturing mid season. Spur pruned.

LAGREIN Good red wine variety. Small black fruit matting early mid season. Spur pruned.

MALBEC (SYN. COT.) Red wine variety. Small black juicy fruit maturing early mid season. Spur pruned.

MATARO Red wine variety. Medium sized white fruit maturing mid season. Spur pruned.

MERLOT Red wine variety. Small black seeded fruit, maturing mid season. Spur pruned.

MONDEUSE (SYN REFOSO TERRANO) Red wine variety. Medium sized black fruit maturing mid season. Spur pruned.

NEBBIOLO FINO Red wine variety. Small black fruit maturing mid season. Spur pruned.

NEGRETTE (SYN PINOT ST GEORGE) Red wine variety. Small black fruit maturing early mid season. Spur pruned.

PETIT VERDOT Red wine variety. Used as minor constituent in Bordeaux wines. Only clone available in Australia, yields poorly. Small black fruit maturing mid season. Spur pruned.

PINOT MEUNIER A simple sport of Pinot Noir preferred in frost prone sites as it has late bud burst. It also has better set, higher yields and ripens slightly later than Pinot Noir.

PINOT NOIR Certified virus free stocks available. An excellent red wine variety. Small black fruit maturing early. Spur pruned.

ROYALTY Highly coloured red juice. This variety is used to impart red colouring to wine. Small fruit maturing mid season. Spur pruned. Lacks the vigour of Rubired.

RUBIRED Highly coloured red juice. This variety is used to impart red colouring to wine. Small fruit maturing mid season. Spur pruned.

RUBY CABERNET Good red wine variety. Hybrid of Sauvignon. Bred in California. Medium sized black fruit maturing mid season. Spur pruned.

SANGIOVESE Red wine variety used in Chianti. Small black fruit maturing mid season. Spur pruned.

SHIRAZ (SYN BLACK HERMITAGE) Good red wine variety. Small black juicy fruit maturing mid season. Cane pruned.

SOUZAO Red wine variety used for port. Deep in colour. Small black fruit maturing mid season. Spur pruned.

TARRANGO A red wine variety for early maturing wines. Medium black fruit maturing late. Cane pruned.

TEMPRANILLO (SYN. VALDEPENAS) Red wine variety. Black medium sized fruit maturing early. Spur pruned.

TINTA AMARELLA Red wine variety. Medium fruit maturing mid season. Spur pruned.

TINTA CAO Good red wine variety. Medium black fruit maturing mid season. Spur pruned.

TINTA MADEIRA Red Port wine variety. Medium fruit maturing mid season Spur pruned.

TOURIGA Red wine variety used for port. Medium black fruit maturing mid season. Spur pruned.

TROIA Red wine variety with highly coloured juice. Medium sized black fruit maturing mid season. Spur pruned.

TULLILLIAH An excellent light red wine variety. Medium black fruit maturing mid season. Cane pruned.

ZINFANDEL Very good red wine variety. Small fruit maturing mid season. Spur pruned

WHITE WINE VARIETIES

CHARDONNAY An excellent white wine variety. Small white fruit maturing early. Spur pruned.

CHASSELAS (SYN. CHASSELAS DORE) Certified virus-free stocks available. White wine variety, popular in France as a dessert grape. Medium sized white juicy fruit, early maturing.

CHENIN BLANC White wine variety. Small white fruit maturing mid season. Spur pruned.

CLAIRETTE (SYN BLANQUETTE) White wine variety. Medium white fruit maturing mid season. Spur pruned.

COLOMBARD Useful white wine variety for hot climates. Medium white fruit maturing mid season. Spur pruned.

CROUCHEN Very good white wine variety. Small white fruit maturing mid season. Spur pruned

DORADILLO White wine variety. Large white fleshy fruit maturing late. Spur pruned.

FERNAO PIRES White fortified wine variety.

FOLLE BLANCHE Specialised white wine variety. Small white fruit in tight bunches maturing late. Spur pruned.

FLORA White wine variety. Semillon x Traminer. Small fruit. Wine of distinctive aroma. Early mid season. Spur pruned.

MARSANE White wine variety. Medium sized white fruit maturing mid season. Spur pruned.

MONTILS White wine variety. Small white fruit maturing mid season. Spur pruned.

MULLER THURGAU White wine variety. Small black fruit maturing mid season. Spur pruned.

MUSCADELLE (SYN UTERGLEN TOKAY, TOKAY, SAUVIGNON BLANC) White wine variety. Small fruit maturing early mid season. Spur pruned

ORANGE MUSCAT White wine variety. Well suited to hot region growing. Matures mid season. Spur pruned.

PEVERELLA White wine variety. Medium sized fruit maturing mid season. Spur pruned.

RIESLING (SYN WHITE RIESLING, RHINE RIESLING) Certified virus-free stocks available. An excellent white wine variety. Small white fruit early maturing. Cane pruned.

SAUVIGNON BLANC An excellent white wine variety. Small white fruit maturing mid season. Cane pruned.

SEMILLON Certified virus-free stocks available. White wine variety. Small white fruit maturing mid season. Spur pruned.

SERCIAL White wine variety. Small white fruit maturing early. Spur pruned.

SYLVANER Certified virus-free stocks available. White wine variety. Small white fruit maturing early. Spur pruned.

TRAMINER (SYN GEWURTZTRAMINER) An excellent white wine variety. Small white early maturing fruit. This variety lacks vigour. Spur pruned.

TREBBIANO (SYN WHITE HERMITAGE, UGNI BLANC, WHITE SHIRAZ) White wine variety. Medium sized white juicy fruit maturing mid season. Spur pruned.

VERDELHO (SYN MADEIRA) White wine variety. Small white fruit maturing very very early season. Cane pruned.

TABLE AND DESSERT VARIETIES

BARLINKA Black table variety. Late maturing.

BLUSH SEEDLESS Red table variety. Large oval crisp bright red berries. Matures mid to late season. Spur pruned.

BEAUTY SEEDLESS Black seedless table variety. Same size as Sultana, has some potential as early black seedless grape. Maturing early.

BLACK PRINCE Large seeded black berry with a very crisp texture and good flavour. Matures mid season.

BLACK ROSE Very good dessert variety. Very large black fruit. Maturing mid season. Spur pruned.

BLACK SULTANA (SYN BLACK MONUKKA) Red to black seedless dessert grape. Fruit small to medium size. Matures fairly early. Cane pruned.

CALMERIA Very good dessert variety. Large white fruit. Very late maturing. Cane pruned.

CANNER Bred specifically for canning. Greenish white seedless fruit maturing mid season. Spur pruned.

CANNON HALL MUSCAT Good dessert variety. Light muscat flavour. Large white fleshy fruit maturing mid season. Spur pruned.

CARDINAL Certified virus-free stocks available. An excellent dessert variety. Large red fleshy fruit maturing very early. Spur pruned.

CARINA CURRANT A good drying variety. Not as inclined to break-down as is Zante Currant. Small black fruit maturing early. Spur pruned.

CAROLINA BLACK ROSE Large black dessert variety. Early maturing. Resistant to "downy mildew" disease. Spur pruned.

CENTENNIAL SEEDLESS Medium to large white seedless berry, ripens early to mid season. Spur pruned. Lower than average vigour vine.

CHRISTMAS ROSE Table variety bearing tear drop shaped seeded red berries. Ripens mid to late season. This is a patented variety and is available only from licensed nurseries.

CRIMSON SEEDLESS A mid to late bright red seedless grape. Cane pruned.

CURRANT ZANTE (SYN BLACK CORINTH) Good drying variety. Limited dessert use. Very small black juicy fruit maturing early. Spur pruned.

CURRANT HANNAMAN A sport of Zante Currant. Heavier bearing and later maturing. Small black fruit maturing early season. Spur pruned.

DANAGUE (SYN GROS GUILLAUME, BLACK VALENSY, WOODWARDS BLACK, GRANT TURK) Good dessert variety. Large black fleshy fruit. Extremely salt tolerant. Late maturing. Spur pruned.

DAWN SEEDLESS A low to medium vigour vine. Medium sized oval seedless white berries. Ripens very early. Spur pruned.

EARLY MUSCAT White table variety, matures very early

EMERALD SEEDLESS Large bunches. Matures mid to late season. Berries slightly larger than Sultana, has potential as a drying variety, as well as a late seedless table grape. Holds up well in bad weather.

EXOTIC Black table variety matures mid season.

FANTASY SEEDLESS A mid season, shiny jet black seedless grape, with pale green translucent flesh, syrupy sweet in flavour. Cane pruned.

FLAME SEEDLESS Large red seedless, early as Cardinal. Requires bunch trimming for quality fresh fruit as for Sultana. Spur pruned.

FRESNO 32-68 Excellent early seedless white variety. Well suited to fresh fruit cultivation or drying. Spur pruned.

GORDO Excellent drying and desert variety. Used also for wine making. Strong Muscat flavour. Large white fleshy fruit maturing late mid season. Spur pruned.

HUNSLIA Very good dessert variety with slip skin. Unique strawberry like flavour. Large white fleshy fruit maturing late mid season. Cane pruned.

ITALIA Certified virus-free stocks available. Dessert variety with light muscat flavour. Large white fleshy fruit maturing late mid season. Cane pruned.

JULY MUSCAT Yellow table variety. Matures mid season.

KISHMISHI Red table variety. Large elongated "lady finger" type berry, with a nice crisp texture and flavour. Matures mid season.

MADELEINE ANGEVINE Good dessert variety. Medium sized, white juicy fruit. Very early maturing. This variety requires cross pollination. Spur pruned.

MUSCAT HAMBERG (SYN BLACK MUSCAT) Very good dessert variety. Muscat flavoured. Large black juicy fruit. Early maturing, spur pruned.

MARROO SEEDLESS Large seedless black table grape. Has a fair resistance to "downy mildew". Can be dried. Early maturing.

MERBEIN SEEDLESS Is a cross between Planta Pedrabra and Sultana, and is reported to be a superior alternative to Sultana if correctly trained & pruned.

MOSS SULTANA selection of the Sultana cultivar fruit is white, seedless small - medium fleshy berries. Maturing mid season.

NYORA Good dessert variety bred at Griffith Research Station. Large black fleshy fruit maturing late. Spur pruned.

OHANEZ Very good dessert variety. Large white fleshy fruit maturing very late. Requires cross pollination. Spur pruned.

OLIVETTE BLANCHE White table variety. White lady finger.

PALOMINO (SYN LISTAN) A superior strain of Paulo Palomina. White wine variety. Medium sized white juicy fruit maturing early mid season. Spur pruned.

PURPLE CORNICHON (SYN OLIVETTE NOIR) Good dessert variety. Large black fleshy fruit maturing late. Spur pruned.

QUEEN Large red table variety. Matures mid season. Requires bunch trimming for quality fresh fruit.

QUEEN OF THE VINEYARD (SYN PRIMUS) Large white early maturing table variety. Approx 14 days before Waltham.

RED EMPEROR Very good dessert variety. Large red fleshy fruit, carries well. Late mid season. Spur pruned.

RED GLOBE A table variety with very large appealing seeded red berries. Ripens late. Spur pruned.

RED MALAGA Wonderful dessert variety. Large red crisp fruit maturing early mid season. Spur pruned.

RIBIER (SYN ALPHONSE LAVALLE) Certified virus-free stock available. Good dessert variety. Very large black fleshy fruit maturing early mid season. Spur pruned.

RISH BABA An elongated white, seeded "lady finger" type which matures early mid season. Has a nice flavour. May have a tendency to shatter.

ROSAKI ROSE (SYN RED MAY, KECK'S RED SPECIAL) An excellent dessert variety. Large red fleshy fruit maturing mid season. Spur pruned.

RUBY SEEDLESS Mid season variety with crisp, red seedless berries and a large bunch. Pruning is usually to clear single-nod spurs.

SANT PAULA White dessert variety. Large elongated berries similar to a "lady's finger". Maturing early season. Spur pruned.

SULTANA (SYN THOMPSON SEEDLESS) An excellent drying, dessert and wine variety. Fruit is seedless, small, white and fleshy, maturing early mid season. Cane pruned.

THOMUSCAT Mid to late maturing Sultana type with tough skin. Holds well in bad weather.

WALTHAM (SYN WALTHAM CROSS, WHITE MALAGA, DATTIER) An excellent drying and dessert variety with limited winemaking use. Large white fleshy fruit maturing late mid season. Spur pruned.

WORTLEY HALL Very good dessert variety. Large black fleshy fruit maturing over an extended period from mid season. This variety has the ability to ripen a second and third crop of fruit into late season. Spur pruned.

ORNAMENTAL VARIETIES

BURGUNDY BEAUTY Foliage turns brilliant burgundy red colour in Autumn. Male plant hence no fruit problem. Resists Downy Mildew attack. Fine pendulous canes. This variety is ideal for pergolas, fences, trellises etc.

