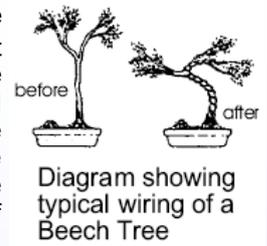


**WIRING** This is done to change the shape of the tree, controlling the shape and direction of the branches and trunk so that the tree attains a shape pleasing to the owner. The wire should be fairly soft but strong enough to hold the trunk and branches in the shape required. Copper wire or galvanised wire are both suitable and for small branches, plastic covered wire is ideal. The wire should be wound diagonally around the trunk or branch but not too tightly, especially in the case of young trees, or the wire will cut into the bark. When you have wrapped the wire round in a spiral, gently bend it into the desired shape. Leave small branches wired for two to three months and larger ones for six to twelve months unless the wire begins to cut into the bark. Wiring the trunk is easier done when the tree is out of the pot and it is therefore done between October and March. Branches can be wired from April to June.

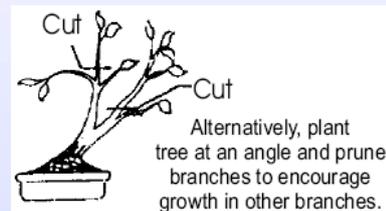


## KEEPING THEM SMALL - PRUNING

*A Bonsai should develop a trunk which looks old, but should also have vigorous growth in the branches and foliage.*

**ROOTS** The roots require trimming when the tree is re-potted. Vigorous roots such as the tap-root, must be cut back using a sharp knife or scissors. Cut the root at an angle, avoiding crushing the root, otherwise it will begin to rot. Also remove any rotting root or any root which is getting too long. Always ensure that plenty of fine roots are left on the plant.

**BRANCHES** Prune these in the Autumn or in the Spring. It is necessary to remove surplus or overlong branches to balance the tree and improve its appearance. At this stage, care is needed as the future shape of the tree is going to be affected. Carefully consider which shoots and branches form the best shape before removing the surplus.



### BUDS & SHOOTS - Deciduous Trees

These should be trimmed or nipped from time to time to prevent thickening of branches and it is done between April and October. Bud trimming should be done before the buds develop into leaves and small scissors or the fingernails are used.

### BUDS & SHOOTS - Coniferous Trees

These should be cut back by approx. one or two thirds between mid April and mid June. Two - three weeks later, new buds will begin to grow where the originals were removed. The growth resulting from the new bud will not grow as large as the original. Any tree which does not show signs of vigorous growth, should not be touched until it begins to recover.

### BUDS & SHOOTS - Fruit Flowering Trees

Allow the spring buds to grow until mid June and then prune the vigorous ones where the stem joins the leaf. Do not confuse ordinary shoots with flower or fruit buds you do not wish to prune.

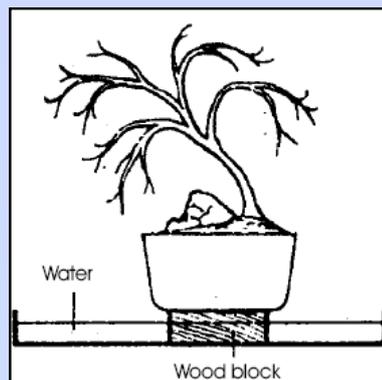
## WATERING

We do not recommend that Bonsai trees are kept indoors permanently. They are better kept outside and brought into the house for only a few days at a time. Trees are hardy and easy to look after outdoors, but ensure that your tree is not exposed to hot sun which could dry out the soil. Keep in a sheltered shady place. Indoors, great care is needed. Bear in mind that a Bonsai is a living plant and not an ornament. Heat and dryness are the worst enemies. Keep it in a cool, airy position and as far away from fires and radiators as possible.

If kept as a houseplant, the Bonsai will benefit from being placed outside in gentle rain (provided that the weather is not too cold). Do this as often as you can. Because of the amount of soil in the pot, Bonsai require frequent watering. The most common reason for failure with Bonsai is lack of attention to this vital point. Do not wait until the soil is dry before adding water. The amount of water will vary; in the Spring and Summer, more water will be needed than in the Autumn and Winter, although if kept indoors in the Winter, frequent watering will still be necessary even though the trees are dormant. Also remember that it is not sufficient to water the soil only.

To ensure that the tree is sufficiently watered do not be afraid of immersing the pot and soil block totally in water. Wait until all air bubbles stop rising and then allow to drain—this may be done once a week.

An additional help in very dry conditions, is the use of a larger outer container holding water in which the Bonsai stands on a block of wood to keep it out of the water. The water evaporates providing a cooler, moister atmosphere around the Bonsai.



## FEEDING

In late April, a small amount of fertilizer should be added with a second application in May. A further feeding of deciduous trees in late October and coniferous trees in late September or October will be beneficial. Do not overfeed, although flowering trees will require a little more than others.

**IMPORTANT** It is recommended that rain water is used to water trees. In districts where tap water is 'hard', this is *essential*.