

NEEM PLANTATION IN DESERT THROUGH 'JALTRIPTI'

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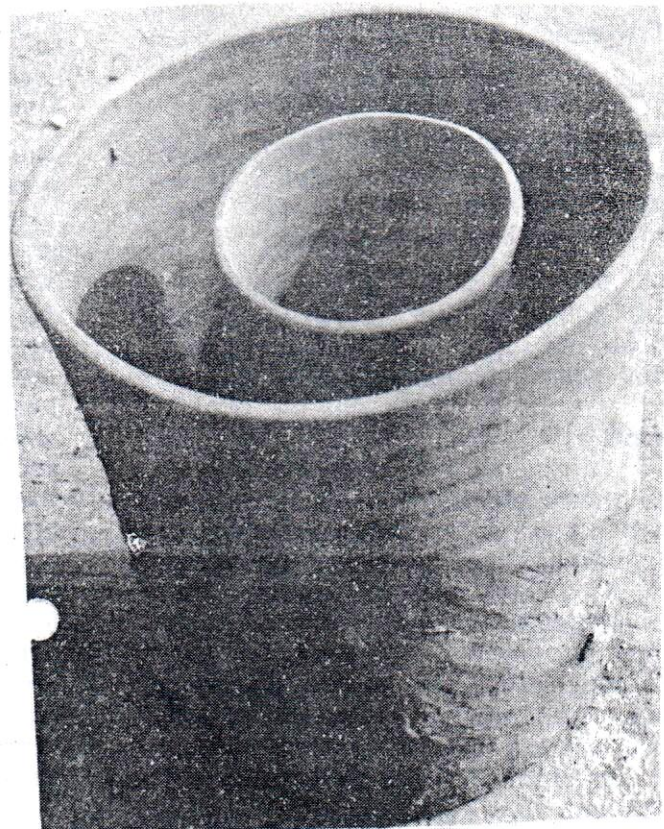
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The authors has discussed about the principles of 'Jal Tripti', basic construction of 'Jal Tripti' and its advantages.

To survive and to grow satisfactorily, presence of adequate moisture in the soil is essential for new plantations. Arid areas are seriously lacking in the availability of adequate irrigation water and due to light textured soils and various adverse climatic factors moisture losses are very high in the form of percolation, seepage and evaporation thereby creating dry conditions in the upper soil layers which is detrimental to saplings since most of the saplings during establishment stage draw moisture from the upper soil layers. The retention of applied water around roots of saplings in these areas is a very challenging task. To cope with the problem of retention of applied water around roots of saplings during establishment stage, a new device named 'Jaltripti' has been developed which is very cheap (approx. Rs. 6/- per unit) and for the fabrication of which no technical help or very special raw material is required because of which small and medium farmers and amateurs can easily adopt it.

Structure of Jaltripti :

Very simple in structure, this device is made up of two earthen flower pots of same height and different diameters (Fig. 1). The



double wall earthen pot