

Using the desert survival technique for planting and establishing of young trees

Mohamad Hosein Bina Bagi, Ali Mokhtarian

Scienced Deputies of Khorasan Agriculture Research Center

Iran is located in a dry region so that its average raining is 220 ml and this quantity is equal to $\frac{1}{3}$ (one third) of world average. Rainfall increasing techniques that can help farther using of water are very helpful. One of these techniques that is the most effective is planting young trees in desert.

In this method a hole is dug in soil and it is covered with a black or white color plastic (1 x 1 meter).

This plastic is shaped like a funnel by laying a stone on it. Then a split is created in the plastic and the tree is planted through the split . By cooling the weather and reflexing the energy of soil and plastic, dew gathers under this cover and come down because of the slope and is used by the plant . So the requiring water for plants (rain , dew, Irrigation) is stored in soil and is absorbed by plant gradually.

The result is recently experiment in the newly created almond orchards and showse that using this technique could be effective in establishing the plant. The trees planted with this method were able to survive without irrigation and had a proper growth.