



Radio Pard Vaanoli

Contents of healthy soils

An interview with Mr. M. Balasubramaniyan (9842048317), Column writer, Thirumangalam, Madurai District

Healthy soil is based on the contents of nutrients in the soil. If we can tell simply; if we insert a stick in a land, if the stick goes into the soil smoothly, it is healthy soil. There will be cores of micro organs, insects and earth worms will be in the soil. Soil should be pure and so we should not add poison in it.

There were plenty of technologies that our ancient farmers followed in making the soil healthy. Goats and cow manure making green fertilizer, this is a traditional technique. Particularly, applying cow dung to the soil was the best technique.

Cow plays a main role in agriculture. If a farmer has cow in his house, the cow dung, urine and other waste are made to degrade and are later applied to the land. With a pair of cows in the house, the waste can be applied to four or five acre of land. Animals are playing main role in making the soil healthy.

100 to 500 goats are made to stay for a night in the land so that wastes are applied to the soil. After repeating this method for five to six times, the land will be ploughed and the soil will be healthy. Cow dung and other wastes are applied to the land. Green Fertilizer is another method in which the land is ploughed with plants which act as green fertilizer to the land. Trees are grown in the edge of the land and branches of the trees are applied in the land and ploughed. This helps improve the health of soils. Another method used is Pancha Kaviya. In this method, five materials from cows are mixed; milk, butter milk, gee, cow dung and urine. This solution is applied in the land to make the soil healthy and fertile.

Soil has three structures; physical, chemical and bio contents. Soil should have aeration to make it as healthy. The chemical contents of the soil are analyzed in the chemical Structure. Bio contents of the soil are analyzed with the content of the soil. For example, in the Red soil land, iron and acidity are present. This has to be centralized to get good yielding. Bio content is to raise micro organs in the soil.

Fertile land can be result of raising the level of micro organisms in the soil. Soil erosion is also taking all the nutrients of the soil in the top soil. Soil erosion has to be prevented. Raise trees in the lands so that the land can become fertile to give a good yielding.