

NOTE: Sustainable Agriculture

2016
CSS

Sustainable agricultural practices are immensely beneficial for prolonged and sustained natural environment. Before the invention of artificial bio-chemical fertilizers and genetic modified seeds, agricultural practices were completely run over the organic agricultural system. Sustainable farming helps in ~~upgrading~~ upgradation of soil health, water conservation, biodiversity, reduction of chemical inputs, energy efficiency and economic viability. (The Food and agricultural organization of UN) defines that sustainable agriculture as the one which conserves land, water and plant and other genetic resources, does not degrade the environment and is economically viable and socially acceptable.

The basic aim of this cultivation processes is to meeting the needs of present time but without endangering the resource base of the future generations. There are several ways through which agricultural community, conserves environmental degradation, such as moderate tillage, organic farming, crop rotation methods, usage of bio-fertilizers and many others. By minimize the use of fossil fuels in agricultural machineries and switching towards renewable sources, mainly solar water pumping stations, and wind turbines can massively saves the crop land from environmental pollution. Soil management is one of the key component of sustainable agriculture, healthier soil along with water and nutrients produces healthy crops. In that scenario soil must be protected and nurtured for long term productivity and stability. Techniques through agroforestry ~~and~~ (Planting trees and crops together in the field) and contour ploughing (crop rows across sloped hill sides) also preserve land from soil erosion and degradation.

Further, the economic viability must be profitable for farmers, in their long run creating stable livelihoods and demand for healthy and ethically food.

Sustainable agriculture is crucially important not only for consumers and producers for their health, but also important for prolonged sustainable environment, through eco-friendly crop-growing practices and secure food production for future generation.