

Organic Farming- A Chemical Free Crop Production

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Introduction

Lots and lots of individuals have been valuing the idea of organic farming, this farming is concerned with health and environmental care issues. Adopting organic agriculture brings promising prospects both in terms of welfare and nature improvement as well as food multifariousness. Organic farming is chemical-free farming and it also improves the nutritive value of food as compared to food grown with chemical additives.

What do we understand by organic farming?

Organic farming is a new setup of farming or agriculture that mend, maintains, and enhance the ecological balance. In organic farming we use organic manures like (green manure, FYM, Vermicompost, etc) to provide ample nutrients to meet the nutritional demand of the crop. Organic farming is also termed as biological farming or ecological farming.

Need of Organic Farming

As the population is increasing, the demand of commodities and food are eventually increasing, farmers are more focused on the higher production of crop and for that they are using chemical fertilizers which improving the productivity but tremendously decreasing the quality of soil.

To overcome from this situation there is need to adopt the organic farming system this not only help to retain the soil quality but also improve the nutrient value of the edible products and can save the humans from harmful diseases and harmful effects of chemical fertilizers.

Farmers exercise various methods to amend soil fertility, which including crop rotation, cover cropping, reduced tillage, and application of compost. By reducing fuel-intensive tillage, less soil organic matter is wasted to the atmosphere. This has an count benefit of carbon sequestration, which reduces greenhouse gases and help to reverse climate change. Less tillage may also improve soil structure and reduce the soil erosion.

Merits of Organic Farming

- **Does not harm the soil** – In Organic farming farmer use methods that can avoid synthetic fertilizers and pesticides. They work on the soil to create healthy ecosystems and inhibit erosion. Organic farmers also have a minimal damage on the environment than their conventional counterparts, because they don't use chemicals that ruin water quality or adulterate the air.
- **Improve health level** - by using chemical free fertilizers and using compost and green manures.
- **Organic waste, kitchen waste can be composed and can be reused** -kitchen waste and organic waste can be decomposed and used as good organic manure.
- **Less ground water pollution** because of chemical free farming.

Demerits of Organic Farming

- May not be suitable for growing on large scale.
- Time consuming farming.
- Need right knowledge to do organic farming.
- High difference in yield and quality of crop.

The Future of Organic Farming

To conserve the soil there is need to switch to organic farming as soon as possible. day by day we contaminating our soil with the heavy usage of chemical fertilizers which are resulting in poor soil fertility and other ecological aspects. We have to take step to ensure the good fertility of soil and have to proceed towards organic farming. As from decade we are using our kitchen waste as manure in our kitchen garden to improve the quality of soil.

Now we have to use organic manures in crop production to conserve the soil fertility by this we not only conserving the soil but also the nutrients of crop. Organic food production helps growers in distant future. This is because no use of pesticides and insecticides means they do not spending money on these chemicals. According to experts, soil health remains uninjured with the use of organic pesticides.

Conclusion

Organic farming can resulting in conserving the soil fertility and the nutritional value of food products and also can resolve the climate change and also with less input we can get higher outputs. Its chemical free and can avoid the diseases which can be born through those chemicals which the farmer are using in field to improve the production.