

PROMOTION FOR ORGANIC FARMING IS ESSENTIAL**Dr. Suresh K. Magare**Associate Professor & Head of Department of Economics.
Dr. Vijay Bidkar College, Abhone, Ta. Kalawan, Dist. Nashik**Introduction :**

Today's era is one of globalization privatization and liberalization. That is, since 1991, strong winds of capitalism are blowing in India directly and indirectly. Capitalism favours imperial entrepreneurs and capitalists. Mass production is done for profit. High yielding hybrid seeds are used for production. The consumption of Gavrán seeds is reduced. Some use small amounts of Gawran desi seeds for their own health. However, agricultural production is greatly increased by the heavy use of chemical fertilizers, herbicides and pesticides, and the use of hybrid seeds. It fulfills the demand for raw materials in agriculture in the country as well as in the world. On the one hand, the population is increasing tremendously. Agricultural production involving chemicals is done on a large scale to meet the demand of raw materials for the livelihood of the population as well as trade, business, industry.

Almost all human food needs on earth are met by the agricultural sector. Chemical farming in India results in large scale production of chemically farmed food grains. Chemical-laden food grains adversely affect the health of the majority of citizens. Due to this, serious diseases like diabetes, BP, heart diseases, cancer, skin diseases have increased on a large scale in recent times. In such a situation, promoting organic farming in India has become the need of the hour.

Key word : Food, agriculture, organic, farming, Chemical, production, health, etc.

Study Objectives:

1. To understand the meaning of organic farming.
2. To study the key factors of organic farming.
3. To study the benefits of organic farming.
4. To study the side effects of chemical farming.

Study Methodology:

These studies are based on primary and secondary sources. Primary sources are mainly based on direct – indirect observation and interview. Whereas secondary sources mainly include text and reference books, magazines, Newspapers, etc.

Hypothesis: It is essential to promote the organic farming in India.

Meaning of Organic Farming:

Farming based on organic manure is organic farming. Manure made from the remains of plants and animals is called organic manure. Among the organic fertilizers, important fertilizers are Manure such as Compost, Green manure, Vermi-fertilizer, Fish manure, Liver manure, Bone manure, Oilseed manure, etc. Organic farming is farming without the use of chemicals. In other words, it can be said that it is non-toxic traditional agriculture using natural resources, making crop medicines, fertilizers and using traditional seeds. Organic farming means conventional farming. Organic farming is a farming method based on an understanding of living organisms, ecological structure and life cycle and avoiding the use of chemicals. Like this, there are many definitions of organic farming. This organic farming is done by using only crop residues, dung-cow urine, pala pachola and other natural means without using chemical elements while farming. Before the Green Revolution, farming was done organically. This resulted in increase in quality of crops, increase in soil fertility, growth of crops, high quality and healthy produce. But in India, chemical fertilizers started to be adopted on a large scale during the Green Revolution. So, first of all, agriculture started to get a large amount of income. But the land became hard i.e., dead. Because the chemical medicine was making the soil hard.

According to M. Gandhi, agriculture is the main means of livelihood of the people. Therefore, agriculture should survive. Organic method should be used to maintain sustainable agriculture. Thus, huge expenditure on chemical fertilizers and medicines can be saved. Because in organic farming, fertilizers and medicines are prepared using natural ingredients. It reduces the cost. As per organic method, use of conventional seeds, stopping of soil erosion, proper embankment, tillage, heavy use of cow dung & urine, etc. This keeps water in the crop Vafa. The use of chemical fertilizers is reducing soil quality. There is the only solution is organic farming. Most of the state governments are overusing chemicals to generate more revenue. Due to this, the rate of chronic/serious diseases like cancer, diabetes, BP, heart disease, skin disease has increased.

Major Benefits of Organic Farming:

The major benefits of organic farming are as follows.

1. Soil Fertility :

Organic farming helps in increasing and maintaining soil fertility. Because this organic farming is done by using only crop residues, dung-cow urine, pala pachola and other natural tools without using chemical elements while farming.

2. Environmental protection :

Organic farming plays a very important role in environmental protection. It is a non-toxic traditional agriculture using natural resources to produce crop medicines, fertilizers and traditional seeds. This farming is done by understanding living organisms, ecological structure and life cycle and avoiding the use of chemicals. This organic farming is done without using any chemical elements while farming, using only farm crop residues, dung-cow urine, palapachola and other natural means. Therefore, the organisms dependent on agriculture get the right to live a natural life.

3. Increase in economic income:

In organic farming, natural fertilizers and medicines etc. are used. Domestic animals are also used in organic farming. Ancillary businesses such as cow, buffalo, goat, sheep and chicken rearing are carried out. It helps in increasing the income. Also, organic fertilizers mainly include dung, compost, green manure, vermi-fertilizer, fish manure, khatik feed fertilizer, bone-fertilizer and oil-seed meal fertilizer etc. using cheap and nutritious fertilizers on the one hand saves money and on the other hand increases economic income by increasing production.

4. Cost reduction:

Organic farming helps in maintaining or increasing the health level of the soil. Nutrients and organic matter are recycled between crops and surrounding vegetation. Production can be diversified and increased without the use of unnatural products, pesticides, chemicals, etc., and the cost of production can be reduced as a result.

5. Ensuring food security:

This organic farming is done by using only crop residues, dung - cow urine, palapachola and other natural resources without using any chemical elements while farming. This leads to increase in quality of crops, increase in soil fertility, growth of crops, increase in high quality and healthy produce. This helps ensure food security to the citizens.

6. Healthy Food Supply :

This is non-toxic traditional farming using natural resources such as crop medicine, fertilizer preparation and traditional seeds. This farming is done by understanding living organisms, ecological structure and life cycle and avoiding the use of chemicals. Organic farming is done without the use of any chemical ingredients, only the residues of the field crops, dung - cow urine, palapachola and other natural means. Therefore, the organisms dependent on agriculture get the right to live a natural life and provide healthy food to humans.

7. Organic Fertilizers :

Organic farming is mainly based on organic pesticides and organic fertilizers. Manure made from the remains of plants and animals is called organic manure. Among the organic fertilizers important fertilizers are cow dung, compost manure, green manure, vermi - compost, fish manure, khatik manure, bone manure, oilseed manure etc. Manure made from dung, faeces, dung-cow urine, cow dung, manure etc. of goats, sheep, chickens, cows and buffaloes is called cow dung. Also, organic materials such as grass, residues left after harvesting crops, chaff, sugarcane husks, cotton husks, etc. are decomposed by micro-organisms - germs, which reduce the amount of carbon and nitrogen in it and produce well-rotted material, it is called compost. Green manure is applied by selecting early growing crops and planting them densely and plowing them into the soil before flowering. It adds nitrogen to the soil, improves the texture of the soil and makes it fertile. Worm manure consists of earthworm droppings, naturally decaying material, earthworm egg masses, larvae and many beneficial bacteria. The manure produced from the waste fish and the residue left after the extraction of fish oil is called fish manure. Khatik Manure is made from animal blood and waste.

All the above types of fertilizers contain large amounts of nitrogen, phosphorus and potassium. This increases the water holding power of the soil. Important use of dung is in biogas for energy generation and the remaining thin dung can be used as a nutrient for crop growth. Adding organic matter to the soil increases the productive capacity and water holding capacity of the soil. Due to organic manure, phosphorus and palash are available to the plants/crops in various stages and are absorbed by the roots of the plant. Organic matter prevents the soil from becoming acidic and alkaline. So plants get balanced nutrients. Carb or carbon in organic matter is used by numerous soil bacteria for their growth. These bacteria provide nutrients from the soil to plants. Also organic manure does not increase the temperature by shading the soil.

8. Organic Pesticides: Another key factor in organic farming is pest control done organically. The following method is used for this. Pest control requires selection of suitable disease-free seeds, use of resistant seeds,

maintaining biodiversity, crop rotation, use of trap crops. It is also necessary to set up bird nests for birds that eat insects, light traps, use of sticky traps, odor traps, use of neem medicine and neem oil.

Biological treatment mainly includes use of insectivorous parasitic biologicals, use of host insects, use of beneficial biological fungi, use of plant insecticides, use of many insecticidal plants and use of cow urine etc. to control pests and improve crop growth.

Major Side Effects of Chemical Farming :

Chemical farming is the excessive use of chemical fertilizers and pesticides in the fields. The far-reaching side effects of chemical farming are as follows.

1. Indian farmers seem to be attracted to chemical farming just for the sake of getting more production and income, thereby endangering the life quality of human and living animals and plants.
2. Chemical agriculture invites severe, serious and new diseases and disease viruses and bacteria and such diseases are having far-reaching effects on human health immunity.
3. Due to chemical farming, human immunity is decreasing day by day as food does not have the same quality or strength as it used to.
4. In addition to agriculture, human health is now threatened by the injection of carbides into fruits, flowers, vegetables and milking animals. Diabetes, B.P., heart diseases, skin diseases and cancer are increasing drastically. Also, various types of fever are increasing and the amount of cells in the human blood is also increasing.
5. Due to the harmful effects on human health in chemical farming, his concentration power is decreasing day by day and his nature is becoming angry and irritable. Due to this, the rate of heart attack and mental illness is increasing.
6. Excess use of chemicals is reducing soil fertility and productivity.
7. It is a matter of concern that there is a great threat to the ecological balance.

Conclusion:

In ancient times, human health was sound, healthy and strong. The reason for this is that agriculture in our country was more prosperous and Indian agriculture was more developed as compared to developed countries. Because at that time there were organic farming methods. Chemical farming is endangering the entire human life. In fact, life expectancy is decreasing. Food is an energy that gives strength to humans. So the food as before should be of high quality, firm and potent. Such food can be obtained only and only through organic farming. That is why it is necessary to encourage organic farming.

Today, the village farm is not visible. Carbized fruits, flowers, more milk obtained by injecting animals, additional production obtained by using chemical fertilizers, pesticides are definitely getting economic benefits. But this benefit is outweighed by financial loss, physical damage and overall loss of life. Environmental conservation, protection and use of balanced organic farming will be important.

In short, organic farming is boon for sustainable farming, overall development of the country and keeping the health of the country intact. This organic farming is a real necessity of human life. It will achieve the greatest economic, social, political, physical, cultural, moral, emotional, psychological and religious welfare of every human being in the economy.

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