



# AN APPROACH ON ORGANIC FARMING FOR POLLUTION FREE ENVIRONMENT & SUSTAINABLE DEVELOPMENT

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**Interested Area/Track:** Agriculture and Development

**Keywords:** Agriculture, organic farming, Rearing of livestock, care for the environment, protection soil quality, encouraging biological activity.

**LEVEL OF DIFFICULTY:** Intermediate

**LEARNING OBJECTIVE(S):** Describe a proven solution to optimize agriculture practice and exclusion various types of synthetic practices. And relate the difference between organic and synthetic culture. . In this presentation, the focal point is based on -

1. How can it be grown as a positive development
2. Being an Indian citizen, what should we do for the development of the agricultural sector
3. A brief understanding on natural pollution free society in agricultural field

## MATERIALS & METHODS

- (secondary data collection) - Internet Browsing, write ups on Agricultural growths of previous researchers
- suggestions and subjective information from Dr. Tanuka Roy Sinha,
- Primary data collection: through visit to Dalpur Ashram, a place in Bankura District of West Bengal, where organic farming has practiced training on it has been rendered.

## ABSTRACT

The goal of this paper is to provide a forum for discussing the problematic nature of the synthetic practice in agricultural field and explain how it effects to humans, animals, society & environment. Even the maximum numbers of farmers are practising this synthetic culture extreme way for their benefits and it also affects our development immensely. Although the use of chemical fertilizers substantial on the various type of pollution.

There is another part of the coin i.e. organic farming by which a farmer can hold and keep continuing the sustainability

of nature. This organic farming is successful suitable development in agriculture field of management for resources (Soil, water and environment) and also ensuring future generation capacity and their need. It helps to develop farming system and helps to cure the natural resources, protect the environment, increase the renewal energy, self reliance input, improve waste management, balanced the rock additives with a long term healthy and safety.

## INTRODUCTION

This paper is discussing two subjects. These are synthetic culture and organic farming culture. Nowadays science develops on the scenario of development but all scientific elements and products are not an example of successful sustainable development. And this paper is addressing how an agriculture field can be developed by the use of organic products and synthetic product should be excluded. It's expected that anything related to synthetic product that can be avoided as it minimizes biotic resources.

## BODY

On the era of 21<sup>st</sup> century where globalization comes in rapidly to play and in the free market where there are so many mechanical products since companies are engaged to promote the synthetic fertilizers in the open market for the profit of drawing any attention towards the sustainability of making a successful generation in the field of food generation/ agriculture. In India, around 60-70% people are directly and indirectly depending in agriculture as a result agriculture plays a role of backbone of our country. It is worthwhile to mention that 70% of G.D.P is coming from this sector. One point of concern is that 60% of agricultural land suffering from chemical fertilizer. This chemical fertilizer effects to the soil pollution, water pollution, environment pollution and also kills the helping parasite, bee & butterfly. And Genetic Modified (G.M) products have the same affected reason like chemical fertilizer, but now G.M is banned in INDIA by **Supreme Court order**.

Well here is another example of which favours for sustainable goal in organic farming. Organic manure/ fertilizers are natural substance which belongs to food growth without any



chemical or pesticides & an activity on livestock. We should follow some principles of organic farming to maintain the ecological balance and biodiversity: "Organic farmers seek to use ecological principles and process to achieve optimal yields while protecting the environment. In the sense organic farming is a holistic farming: In addition to the production of high quality food, preserving natural resources such as fertile soil, clean water and rich biodiversity is an important goal" (Reganold & Wachter, 2021)

And organic farming is involved with biological materials and avoiding synthetic culture and its helps to hold the ecological balance & maintain pollution free environment, organic waste, mineral and rock additives. So, this farming ensures the sustainable health for soli, promote the ecosystem and good for people. To increase a beneficial environment and promote a fair relationship of ecological balance we should think and need to take proper action about using the organic product. Thus organic farming is a successful sustainable practice. So, this type of farming ensures and promotes Argo-ecosystem, biodiversity and biological cycle: "Organic farming is like going back to the root before mechanization hit the land. Thus the farmers can easily understand and adopts to the techniques of organic farming that deploys traditional knowledge." (Elayaraja & Vijai, 2020)

Gandhian view also support to the organic farming upon the context of 'swaraj' which promote the thinking of self-upliftment, self development and self reliance. And this model of awareness rolls on with bio-fertilizer, and various types of bio-diversity.

These are the certain aspects in which we can provide benefits to our next generation as follows:-

- 1) Enrichment of soil (Synthetic product to natural product, 2) Management of soil temperature 3) Self reliance through Input, 4) Use of renewable energy, 5) No pollution upon water and soil, 6) Low cost on this process, 6) And also increasing nitrogen, phosphorus, potassium, calcium, magnesium, sodium, zinc, copper, iron., 7) Provide natural food or agricultural product (No synthetic use), 8) Conservation of soil and rain water, 9) Integration of animals, 10) Stay away from GMO, 11) Preventing the use of drugs and hormones through chemicals on animal products.

Nowadays we are very lucky as we have no other options left to recover and make our agriculture sustainable. But in future these options will be reduced automatically and gradually. We have to be broad and open minded for continuing our responsibility to our future generation. We need to care and perfect planning about soil, water and environment. As a result we can make our environment a non-polluted and increase a habit of good livelihood.

A positive thinking is necessary to solve out the issue related to the agriculture's field. Negative thinking can be eradicated by our positive thinking and practices by using bio-product. If a teenage child is given proper education then s/he can build a society properly with a positive and scientific plan. If

we don't maintain our responsibilities as well as our duties to the society and environment, then one day our next generation will blame us. So, it's our duty to protect and choose the positive ways to lead towards safe zone. Nature is important because our ecosystem is directly related to nature. If a layer of eco system gets changed then the whole eco-system will turn to a imbalanced environment. Hence we should protect our nature feeds us. In G.M Hopkins' poem "God's Grandeur" nature is compared with mother. Just like mother, nature is fulfils all our needs. Despite that we are destroying the climate of nature (polluting water & Soil and air).

Nowadays, govt's participation towards this: a cluster development project of WBKVIB also puts an emphasis on this at their cluster villages in farming locking at the fruitful result of applying eco-friendly product. And R.K.V.Y scheme help for vermin-compost culture and other agriculture side.

Apart from govt initiatives the local NGO's in Bankura district like, Swamayeta Math, Dolpur Asharm, Bikash Society and entrepreneur from the Dept. of Social Work in Bankura University also participating organic farming in pilot project based selected fields in the Bankura terrain.

As a social worker's point of view, this harmful practice can only be eradicated by our civil society with their acute knowledge in this field and spreading awareness towards organic farming and its long-term benefits on enrichment of soil, management of temperature, use renewable energy and self-reliance input as well as low cost process with integration of animal manures.

## CONCLUSION

Basically this sense of chemical fertilizer is used in Punjab & Haryana in India. If we talk about the outside India, then Qatar, Malaysia, Arab Empire, Egypt, New Zealand holds the use of this chemical fertilizer culture. And this area has affected these various environment issues. Like In India 700 Million tonnes farm wastage are burned in per year, because farmers are not conscious in wastage management. In this sense if these farmers concern about organic farming of the time they can use this farm wastage as a renewable energy and bio-fertilizer. So, this point indicates that why this successful waste management or organic farming is needed.

Like urea is a synthetic chemical fertilizer and when it's used in agriculture field, it wants more water because it's a warm product. And it's not food for insert; it functions just like a poison does. But if we talk about cow's muck it increases the natural fertilizer process and it becomes an eatable food to insert. It can improve soil fertility and when farmer uses this muck that time limited water is needed not hugely. This example can help to grow this organic idea and its Characteristics. Organic farming process decrease pollution in the water, air, soil and helps to protect the ground water recharge system and reduces the soil erosion, and promotes renewable energy. Hence, organic product is the best for nature and also the best for sustainable development goal.



So, in this paper we have discussed a lot about our responsibility as a part of civil society and how this idea is needed very much. And if we are not concerned about these chemical uses then our future generation will suffer a lot and it will be difficult for them to come back to this natural organic process. We should think about what we are doing and what we are leaving for our next generation. To build and hold a sustainable society we should take the right path that is natural process.

## BIBLIOGRAPHY

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