



## Back to Past; Organic Agriculture

Muhammad Adnan<sup>1\*</sup> and Muhammad Zohaib Anjum<sup>2</sup>

<sup>1</sup>Department of Agronomy, College of Agriculture, University of Sargodha, Pakistan

<sup>2</sup>Department of Plant Pathology, College of Agriculture, University of Sargodha, Pakistan

\*Corresponding Author: Muhammad Adnan, Department of Agronomy, College of Agriculture, University of Sargodha, Pakistan.

DOI: 10.31080/ASAG.2020.05.0940

Received: December 25, 2020

Published: December 29, 2020

© All rights are reserved by Muhammad Adnan and Muhammad Zohaib Anjum.

National economy significantly depended on agriculture sector [1]. Organic farming is a crop production system in which farmer avoided all synthetic farm inputs but depends on biological, agronomic and mechanical methods like the utilization of crop residues, off-farm organic waste, mineral grade rock additives, animal manures, biological system of nutrient mobilization and plant protection; which enhance and promote biological cycles, biodiversity, and agro-ecosystem health [2]. Organic agriculture evolves thousand years ago. The ancient farmer's starts their crop cultivation along the belts of rivers by using many natural resources [3]. Furthermore, modern era of organic agriculture emerged in 1924 in Germany. Rudolf Steiner has started a course on "social scientific basis of agricultural development" where he considered human being as the integral part and parcel of natural equilibrium and focuses on harmony with nature. However, from 1960 to 2000, the largest grain yield was achieved in Global South due to Green revolution, which encouraged the utilization of newly developed hybridized seed varieties which produced more yield and quickly responsive to applied irrigation and fertilizer [4]. Our basic agricultural system is affected by pollutants created by modern practices of agriculture such as synthetic fertilizers and pesticides which causes environmental pollution [5]. All of these approaches ultimately disturb soil nutrient balance and reduces its fertility. Moreover, agriculture sector is directly linked with the land while most of our land is degraded by some factors like deforestation, desertification, erosion, salinization, waterlogging, and organic matter depletion lead to land degradation. For restoration of all these lands, it is very important to minimize these activities and

properly managed all factors. We can manage our land by ground covers, alternate fuels, timber replantation, dams and by creative government policies [6]. Currently many developed countries modifying their agriculture policies and banned different harmful pesticides that created human and animal health issues. World renowned agriculturists are trying to empower the use of organic matters instead of chemicals to produce organic healthy food. Organic food market also gain attention due to high profit rate with minimum expenditures. There is need to highlight the benefits of organic farming that gives a natural way for crop cultivation by using environment friendly, animal and plant based local organic resources which are highly enriched in nutrients.

### Bibliography

1. Adnan M., et al. "Organic and inorganic fertilizer; integral part for crop production". *EC Agriculture* 6.3 (2020): 01-07.
2. Meena RP., et al. "Organic Farming: Concept and Components". *Popular Kheti* 1.4 (2013): 5-14.
3. Bhattacharyya P., et al. "Current status of organic farming in India and other countries". *Indian Edition Fertility and Sterility* 1.9 (2005): 111-115.
4. Evenson RE., et al. "Assessing the impact of the Green Revolution, 1960 to 2000". *Science* 75 (2003): 8-762.

5. Dhiman V. "Organic Farming for Sustainable Environment: Review of Existed Policies and Suggestions for Improvement". *International Journal of Research and Review* 7.2 (2020): 22-31.
6. Toor MD., *et al.* "Land Degradation and its Management: A Review". *International Journal of Environmental Sciences and Natural Resources* 25.1 (2020) 54-57.

#### Assets from publication with us

- Prompt Acknowledgement after receiving the article
- Thorough Double blinded peer review
- Rapid Publication
- Issue of Publication Certificate
- High visibility of your Published work

**Website:** [www.actascientific.com/](http://www.actascientific.com/)

**Submit Article:** [www.actascientific.com/submission.php](http://www.actascientific.com/submission.php)

**Email us:** [editor@actascientific.com](mailto:editor@actascientific.com)

**Contact us:** +91 9182824667