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Sustainable Agriculture: An Update



Sustainable Agriculture:

An Update



Prof. Saba Siddiqui

Dr. Deepti Srivastava

SUSTAINABLE AGRICULTURE: AN UPDATE

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CHAPTER -1

INTRODUCTION TO SUSTAINABLE AGRICULTURE: ECONOMIC AND ENVIRONMENTAL IMPACT

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INTRODUCTION

Sustainable agriculture is a method of farming that attempts to produce food in a way that is environmentally and socially responsible as well as economically feasible for present and future generations (Earles and Williams, 2005; Brodt, 2011). It focuses on fulfilling the present needs without risking the capacity of future generations to meet their own needs. A sustainable approach to agriculture is becoming more and more essential as the worldwide population expands and environmental concerns arise. Over the past few decades, there has been a significant shift in the farming sector around the world towards sustainability. (Robertson, 2015; Harwood, 2020). This approach lays a strong emphasis on the peaceful coexistence of social equity, environmental health, and economic prosperity within agricultural systems. (Allen *et al*, 1991). This chapter aims to highlight how economic viability, environmental conservation, and social responsibility are interrelated in the context of food production by examining the concepts, practices, economic, and environmental components of sustainable agriculture.

PRINCIPLES OF SUSTAINABLE AGRICULTURE

Environmental Conservation

Environmental conservation and sustainable agriculture are interlinked (Hobbs et al., 2008). Sustainable agriculture aims to