

The Complete Technology Book on Pesticides, Insecticides, Fungicides and Herbicides with Formulae & Processes

Author: H. Panda

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Pesticides, Insecticides, Fungicides and Herbicides are used in agriculture, forestry, animal husbandry, commercial centres and houses for the pest control. India's pesticide industry is the largest in Asia and the twelfth largest in the world and it has grown by 7.6 per cent during the last 20 years. During last 35 years, consumption of these products has increased manifold and industries are coming up throughout the world due to its increasing demand. Crops receiving the most intensive application of various pesticides were cotton for insecticides, corn for herbicides, and fruits and vegetables for fungicides. Examination of use trends of pesticides indicates that the volume in pounds of herbicides used on crops is increasing, whereas the quantities of insecticides and fungicides remain stable. The increased usage of pesticides, together with knowledge of some of their adverse effects, has alerted the public to the need for regulation. The insecticide usage is high in India because weeding is done manually in India and tropical climate of India which leads to greater incidences of insect infestations. Insecticides have a higher market share in India contrary to the global market where herbicides and fungicides have higher market shares.

This book majorly deals with specification of pesticides, fungicides, permeability of liquid fumigants through polyethylene, insecticidal properties of deoxygenated and chlorinated shark liver oil, methods of determining chemical and physical properties, spectroscopic methods for determining the purity of products. This book also contains formulae, manufacturing process, infrared and ultraviolet spectra of seventy six pesticides and so on.

The book contains formulae, processes of different types of pesticides, insecticides, fungicides and herbicides. This book will serve as a guide to research scientists, industrialists, policy makers and students.

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NIIR PROJECT CONSULTANCY SERVICES , 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** npcs.india@gmail.com **Website:** NIIR.org

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