



agronomy



Special Issue Reprint

Agricultural Environment and Intelligent Plant Protection Equipment

www.mdpi.com/books/reprint/9484

Edited by
Xiongkui He
Fuzeng Yang
Baijing Qiu



ISBN 978-3-7258-1583-8 (Hardback)
ISBN 978-3-7258-1584-5 (PDF)

The agricultural environment refers to the combination of various natural and artificially modified natural factors that affect the survival and development of agricultural organisms, including farmland, forest, grassland, irrigation water, air, light, the heat and chemical fertilizers applied to farmland, pesticides, and agricultural equipment. These factors constitute a comprehensive agricultural environment system, interacting with each other and affecting agricultural production together.

As a vital component of the agricultural environment, plant protection equipment plays an indispensable role in agricultural production. The intellectualization of plant protection equipment is important in driving agricultural development processes. With the advantages of saving time and effort, precision, and a high efficiency, intelligent plant protection equipment makes great contributions to cost reduction, increasing incomes, as well as to the healthy and sustainable development of agriculture.

In this Special Issue, we aim to exchange knowledge on any aspect related to the agricultural environment and intelligent plant protection equipment to promote sustainable agricultural development.



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