



Development and Prospect of UAV Spraying in Fruit Orchards for Crop Protection

Guest Editor:

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Message from the Guest Editor

Unmanned aerial vehicles (UAVs) have developed rapidly in the last few years and have become the main equipment in plant protection, particularly of wheat, rice, corn, cotton and other crops. In orchard plant protection, the demand for high-efficiency plant protection equipment is very strong, especially in the traditional orchards and orchards in mountainous areas, which are not suitable for ground equipment. Therefore, the application of UAV in fruit orchard crop protection has become a hotspot in recent years. However, there is a significant difference between the canopy of fruit trees and field crops, which affects the behavior of airflow and droplets during application. Therefore, many aspects need to be explored, including the factors affecting droplet deposition in the canopy, the drift during UAV application in orchards, etc.

In this Special Issue, we aim to exchange knowledge on any aspect of UAV spraying in fruit orchards for crop protection, thus promoting the application of UAVs in orchards.





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Message from the Editor-in-Chief

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