Special Issue

Research on Field Spray Drift and Pesticide Application Technology

Message from the Guest Editor

Since the advent of agricultural spraying, spray drift has presented a complex challenge. Drift droplets and environmental exposure can damage sensitive crops, affect natural enemies of pests, reduce pollinator populations, cause environmental contamination, and threaten human and animal health. Therefore, to reduce the impact of spray drift on the environment, pesticide application technology should be improved through concurrently enhancing the insecticidal efficiency of pesticides and reducing their use. Pesticide application technology includes many aspects, such as the nozzles, physical properties of pesticide solvents, and spray methods. Furthermore, pesticide application has mainly been performed in two ways: ground and aerial. This Special Issue will present new approaches to improving the efficiency of insecticide while reducing spray drift. This Special Issue aims to foster the exchange of knowledge on any aspect related to field spray drift and pesticide application technology to improve insecticidal efficiency and reduce pesticides' impact on the environment, as well as increase crop production.
Dr. Yuxing Han

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