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Resistance monitoring to beta-Cypermethrin in spiraling whitefly**Sun Changjiao, Dongsheng Yang, Liangde Tang, Ranqin Han, Dongqiang Zeng and Wen Lu**
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The spiraling whitefly (*Aleurodicus dispersus* Russell) is an invasive and dangerous pest to agriculture and forestry which has invaded Taiwan and Hainan provinces. Due to the lack of effective ecological and physical control methods, chemical control is still an important mean for controlling the pest. In addition, the generation and resistance development of spiraling whitefly has become an important and unavoidable issue during the process of chemical control. The LC50 values of spiraling whitefly populations to pyrethroids were tested by Potter spray method. Those populations fed on different host plants were collected from different geographic regions. This study is aimed at understanding the resistance risk to pesticides, and further controlling the occurrence and development of resistance in field populations of spiraling whitefly.

Biography

Sun Changjiao completed her Master's Degree at Chinese Academy of Agricultural Sciences in 2010. Then, she began to work at Institute of Environment and Sustainable Development in Agriculture as a Research Assistant. Her main research area is "The application of nanotechnology in agriculture". She has her expertise in "Characterization and evaluation of nano-delivery system". She established a method for the evaluation of the UV degradation and controlled release properties of the nano formulation.

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