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Wind tunnel protocol for spray drift assessment

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Abstract

This study examined protocols used for standardised wind tunnel measurements of spray drift from agricultural application systems. An alternative protocol that includes the displacement of the nozzle and ground collectors is proposed. This protocol is designed to address the critical problems of the collector saturation and the sampling period. Measurement of ground deposits were made in a series of wind tunnel tests examining the variability in such measurements for different conditions including a range of wind speeds and nozzle types. Results showed that variability was reduced to very low levels.