

## **Spray Deposits: Opportunities for Improved Efficiency of Utilization *via* Quality, Quantity and Formulation**

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Pesticides are under an increasing array of criticism by the public and policy makers as being excessively hazardous to the environment. This has resulted in a wide variety of pesticide use reduction programs for agriculture worldwide. These include less active ingredient per unit area, safer products, and new delivery systems. As a result of these policies, and regulatory thrusts, there are numerous opportunities for improved efficiency of utilization with a better understanding of droplet placement criteria, including spray droplet quality, *e.g.* size/density parameters, formulation interactions, and a better educated user. This minireview revisits some recent trends in our efforts to improve the dose-transfer efficiency of the modern crop protection agents.

KEY WORDS: Pesticide efficiency; application technology; dose-transfer; optimum deposits; formulation technology.

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