



sagentia

Droplet Physics

Droplet Physics

Fundamental science of key agri-tech processes

Control of spray droplet size, velocity and direction is key to the realisation precision delivery systems for nutrients, herbicides and pesticides. Our team of applied scientists understand the methods of droplet creation, leading to highly optimised spray systems for agricultural applications.

We have designed systems for deployment with different viscosities of liquids and run laboratory tests to create mathematical models predicting important facets of the spray system, such as splashback, fine-droplet generation and drift.

Across all industries, we work on novel liquid droplet generation technologies for varying droplet size requirements or applications, including state of the art electrospray and surface acoustic wave technologies.

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+44 1223 875200
info@sagentia.com
sagentia.com