

Nozzle Tips

Your sprayer's performance is only as good as the nozzle installed on it. Selecting the correct nozzle tip is one of the most important decisions you can make, as it directly impacts application efficacy and overall results. With the wide range of products, field conditions, and environmental factors involved in modern applications, nozzle selection is not always straightforward.

The key is to first define your application objective.

- **Systemic products** — When applying a systemic herbicide where the product must be absorbed and translocated within the plant (often through foliage and into the root system), a nozzle that produces a **larger droplet size** is typically recommended. Larger droplets help reduce drift potential and ensure the product reaches the intended target.
- **Contact products** — When applying contact herbicides, fungicides, or insecticides, the primary objective is **thorough leaf coverage**. In these situations, a nozzle that produces a **finer droplet spectrum** can improve surface coverage and enhance performance.

Understanding the relationship between droplet size, coverage, and drift management is essential to maximizing product performance and protecting your investment.

Systemic (Absorption)



Contact (Leaf Coverage)

