

LECI-TECH Family of Products

Product	Acidifier	Antifoam/Defoam	Deposition Aid	Drift Control	Penetrant	Spreader/Sticker	Description
							LECI-TECH® non-ionic adjuvant with improved deposition, drift reduction and defoamer
							LECI-TECH® non-ionic penetrating surfactant with pH reduction
							LECI-TECH® 100% active surfactant, neutral pH
							LECI-TECH® blend of modified vegetable oil and surfactant

**PERFORMANCE
MADE
EASY**



www.uap.ca



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Prairies 1-800-561-5444

Quebec 1-800-361-9369

British Columbia 604-534-8815



Leci-Tech is:

- Drift Reduction
- Droplet Retention
- Penetration

And also provides:

- Improved Translocation
- Quicker Uptake
- Reduced Droplet Evaporation
- Crop Safety
- Easy-To-Use

What is Leci-Tech®?

With over 20 years of field and lab experience with lecithin, Loveland Products is the industry leader in the development, manufacturing, and marketing of lecithin-based products and the agronomic benefits associated with this unique technology. Our products are utilized in row crops, vegetables, small grains, turf and ornamental, and non-crop applications.

Many adjuvants are good at **DRIFT MANAGEMENT**

... others are good at **DROPLET RETENTION and SPREADING**

... still others are good at **PENETRATION**

*But few, if any, can provide all of these functions and do them as well as **LECI-TECH** chemistry which was designed to give maximum **PERFORMANCE** and is easy-to-use.*

“PERFORMANCE made EASY”

Key PERFORMANCE factors:

Drift Reduction

Leci-Tech products not only reduce fines, but does so without increasing the number of large droplets due to the phospholipids which produce less stress on droplet production allowing for more uniform sized droplets. The result is more **right sized droplets**, which not only **reduce drift**, but also reduce shatter and bounce, as well as optimizing nozzle performance.



Demonstration of the drift reduction properties of Leci-Tech chemistry.

Droplet Retention

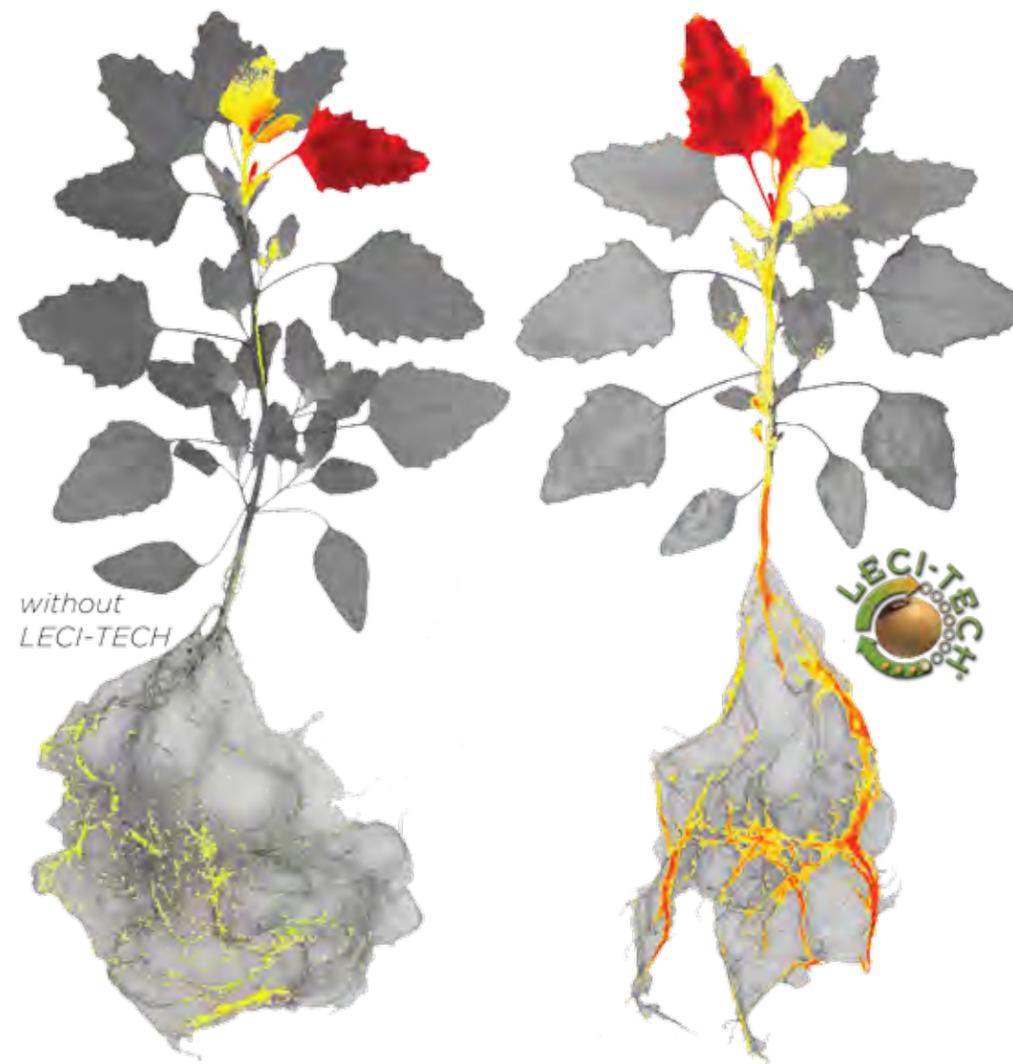
Coverage is one of the primary objectives with many pesticide applications. The **spreading** and **adhesion** properties of Leci-Tech are ideal for maximizing contact area and keeping droplets on the target. As the droplet makes contact with the target, the combination of creating **right sized droplets** with the **adhesion** properties of Leci-Tech chemistry ensures that the droplet hits the target and stays there to provide **more consistent control**.



Demonstrates the effect of Leci-Tech chemistry on spray solutions by retaining more of the “right size” droplets on the waxy leaf surface of Common Lambsquarters. Clay solution was used for a visual indicator.

Penetration

Leci-Tech allows the formation of leaf penetrating micelles to occur at lower use rates than traditional surfactants, providing quicker uptake with no impact on crop safety. To **maximize performance** of both systemic and contact pesticides it is critical to ensure **penetration** through the leaf cuticle. This is especially important when plants are under environmental stress. Leci-Tech chemistry will also reduce evaporation, allowing for greater uptake.



Demonstrates the effect of Leci-Tech chemistry on penetration and translocation of glyphosate into and throughout the Common Lambsquarters plant.

Drift Reduction + Droplet Retention + Penetration = “PERFORMANCE made EASY”

Additional Leci-Tech Benefits:

- With the combination of hydrophilic and lipophilic elements, Leci-Tech works well with both water-soluble and oil-soluble pesticides or active ingredients.
- Leci-Tech chemistry does **NOT** compromise **nozzle performance** like many other products that control drift by thickening the spray solution.
- Leci-Tech products are not subject to pump shear degradation (loss of drift reduction function of spray solutions following pump circulation).



PERFORMANCE

