

PRODUCT CATEGORIES

WC

Water Conditioners: Most people are familiar with water conditioning, especially in rural environments where water softeners are often used. These systems replace salts to prepare the water for home use, usually aiming for a pH of 7.

With pesticides, the goal differs according to products being applied. Most systemic herbicides prefer an

acidic pH, and some prefer a high pH for optimum performance. Insecticides and fungicides have their own unique requirements.

AgraSyst uses their technical knowledge and a combination of proprietary and patented technologies to deliver water conditioning that enhances the spray solution for the optimum pH range for top performance.

(Competitive programs try to overload the system with ammonium and sulfate ions, not the ideal approach.)

AgraSyst products are designed to outperform and eliminate the need for ammonium sulfate.

S

Surfactants: Surfactants generally are classified into three distinct groups: spreaders, stickers, and penetrants. Depending on the purpose of the application, different products with differing properties may be chosen.

Surfactants essentially are “soaps” that change the surface chemistry properties of the spray solution and usually the droplet. The usual goal is to encourage the droplets to spread out uniformly instead of beading up

on the leaf. (Beaded droplets tend to run off, and too much spreading makes droplets run right off the leaf.)

Spreaders spread the droplet across the leaf surface and penetrate leaf hairs and other such naturally occurring obstacles.

Stickers are designed to keep the active ingredient on the leaf surface and are particularly useful for surface-active insecticides and fungicides.

Penetrants are designed to help get the active ingredients into the leaf surface. These are particularly useful for systemic pesticides.

AgraSyst covers these wide ranges of application needs with its selection of products, providing a full portfolio.

PSB

Premium Surfactant Blends: AgraSyst offers premier non-ionic surfactant blends alone or in mixtures with other products. AgraSyst premium blends are the finest on the market.

With AgraSyst premium surfactant blend you get better control with a broader range of products and over a broader range of pest species.

Some competitive products are built with just one type of surfactant which may not be the optimal surfactant choice depending on the product. With AgraSyst's premium surfactant blends all your bases are covered especially with more complex tank mixes.

DR/D

Drift Reduction and Deposition Products: Deposition products condition spray droplets to withstand wind shear, nozzle and pump shear, and to stay intact and delivered to the target. AgraSyst products contain proprietary formulations and are designed to help penetrate waxy leaf cuticles, hairy leaf surfaces or other such obstacles impacting spray performance.

(Deposition products may provide some form of surfactant system included in the formulation, some competitive products do not.)

AgraSyst's drift reduction and deposition aid technology works by concentrating the spray droplets in the optimum size range which reduces the potential for drift while maximizing spray coverage.

This results in a more uniform spray application and improved deposition of the herbicide enhancing overall efficacy.

AgraSyst maintains its model for simplicity and efficacy by including proprietary surfactant systems in conjunction with their deposition technology for optimum performance.

VR

Volatility Reduction Products: We classify volatility as another form of off-target movement. Being able to reduce volatility of herbicides ensures that more product goes and stays where it is intended. Our volatility technology works by giving the products an environment where it likes to stay instead of volatilizing off-target.

AgraSyst uses proprietary and patented technologies to simultaneously achieve the ultimate in volatility reduction.

AgraSyst offers the top performing drift and volatility products on the market.

Reducing volatility without compromising the efficacy of the herbicides is a key issue. Some competitive products will reduce volatility but do so by compromising the efficacy of the herbicides especially when in tank mixes with glyphosate. AgraSyst volatility reducing technology is unique in that it effectively reduces volatility while enhancing herbicidal performance.

O

Oils: Oils are generally categorized as crop oils, this can be a variety of oils from crops such as soybean, sunflower, coconut, palm, citrus and other oils. (Not all oils are crop oils.)

MSOs are methylated seed oils and have specific purposes and properties.

AgraSyst offers premium performance and quality in their crop oils.

Oils are typically used with herbicides that require spreading.

AgraSyst oil products are formulated with our premium surfactant blend in order to increase uptake of the active ingredients without being spread too thin.