

# COMPOUND™

## ACTIVATOR ADJUVANT



Optimizing the performance of today's complex tank mixes can be a challenge for turfgrass managers. Sometimes more than one adjuvant is required to ensure the performance of these solutions. Getting the product to the target, improving spray droplet coverage, assisting plant penetration and buffering the spray solution all improve the effectiveness of the spray application.

COMPOUND™ is a low use rate, low odor activator adjuvant designed to maximize the performance of tank mixes applied to turf and ornamentals. It increases the capabilities of the spray solution in the tank, through the air and on the target plant.

### WHY USE COMPOUND:

- **Tank mix integrity** - buffers spray solution
- **High performance** - enhances product results
- **Environmental stewardship** - reduces potential pesticide exposure

*More technical information is available at [www.precisionlab.com/compound](http://www.precisionlab.com/compound)*

### FEATURES AND BENEFITS:

- Reduces and maintains the pH of spray solutions to protect products from premature chemical breakdown resulting in more consistent and effective performance
- Reduces spray fines and off-target movement which protects the environment and reduces liability
- Improves leaf blade coverage for more consistent and effective levels of performance
- Increases product penetration across leaf surface barriers and through plant cell walls to provide faster knockdown and control

### USE RATES:

- 1-3 pints (473 mL-1.42 L) per 100 gallons of spray solution (0.125%-0.375% v/v).
- 1 pint (473 mL) per 100 gallons recommended for most spray applications

### PACKAGING:

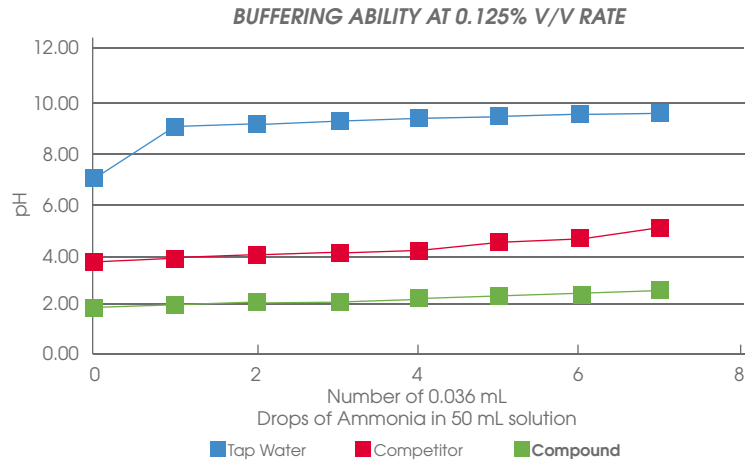
- 12 x 1 quart case
- 2 x 2.5 gallon case
- 20 gallon drum

# PERFORMANCE DATA

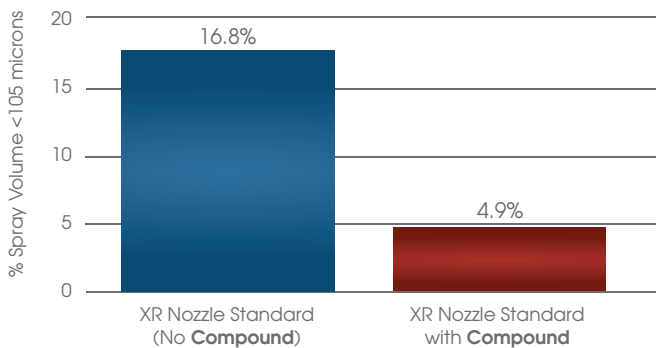
Many factors can influence the spray droplet in the tank, through the air and on the target, these include hard water ions, wind and droplet bounce. Managing these are essential for a successful spray application, yet can be difficult. COMPOUND provides added functionality of the spray solution throughout these three main stages of a spray droplet's life cycle, resulting in increased performance.

## IN THE TANK

In lab tests, 0.036 mL drops of ammonia were added to a 50 mL solution containing COMPOUND to artificially raise the pH. The results indicate COMPOUND consistently maintains a low pH, which prolongs the life of some plant protectants and enhances the performance of certain chemistries.



## EFFECTS OF COMPOUND™ ON A SOLUTION OF ROUNDUP® POWER MAXX

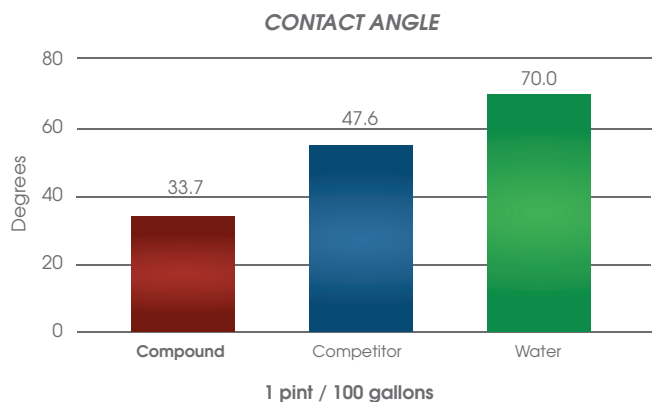


## THROUGH THE AIR

One of the keys to reducing off-target movement through the air is to reduce the volume of small particles that are susceptible to drift. The interactions between the advanced components of COMPOUND reduce the volume of those spray fines.

## ON THE TARGET

COMPOUND reduces surface tension for increased spray coverage on the leaf blade. Surface tension reduction is measured using a droplet analyzer and may be expressed as degree of contact angle. Using COMPOUND results in lower droplet angle, which equates to increased surface tension reduction and better coverage.



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