



It Sticks, It Spreads, It Stretches: It's Like Stretch-Wrap for the Plant

Argosy™ RF is a water soluble, environmentally safe polymer matrix composed of inert ingredients. **Argosy RF** encapsulates the active ingredient in a pesticide keeping it on the leaf even through rain events and irrigation. When tank mixed, **Argosy RF** enhances wetting, adhesion, and facilitates uniform foliar distribution of the pesticide. This increases the effect and the longevity of the chemical being applied.

What's so different about Argosy RF?

Argosy RF is not your "typical" adjuvant. **Argosy RF** is unique because it:

- Is A **STICKER**
- Is A **SPREADER**
- Is **ELASTIC**
- Improves **DROUGHT TOLERANCE**
- Is **RAINFAST**
- Is **ENVIRONMENTALLY SAFE**



STICKER

When sprayed on the leaf surface, **Argosy RF** enhances the adhesion of spray droplets to the leaf. **Argosy RF** also slows down the degradation of the chemical when irrigation or rainfall occurs, extending the life your chemical application. When applied with a material such as a pesticide **Argosy RF** acts as a rainfast protective coating that keeps your application in place.

SPREADER

When combined with a pesticide, **Argosy RF** encourages uniform coverage of the product across the leaf allowing the active ingredient to be better absorbed by the plant. **Argosy RF** decreases the water droplet size, therefore, the chemical you apply will not bead up on leaves, especially on waxy-covered leaves or leaves with many hairs. In addition, **Argosy RF** is **Water-Smart**. When a plant is wet, either through irrigation or a rain event, the material redistributes your encapsulated chemical application over the new growth.



ELASTICITY

The revolutionary elastic nature of **Argosy RF** allows the material to stretch as the plant leaf grows, keeping the application, of the pesticide on the plant longer. This means fewer applications and longer efficacy.



A demonstration was conducted on at Winters Run Golf Course in Pennsylvania with supervision from Superintendent Ryan Howard. Fairways were treated on June 14, July 1, and July 21 with a combination of turf management products including fertilizers, a wetting agent, herbicides, a plant growth regulator and **Argosy RF** @ 1 gallon per 137 gallons of water.

Sprays that included Argosy RF extended the spray interval by 3 days.

DROUGHT TOLERANCE

Argosy RF is a retention agent. It has the ability to bind with water, keeping moisture on a targeted substrate longer. Drought tolerance tests (see below) show the **Argosy RF** helps plants to hold onto moisture, even under extreme temperatures, to help plants withstand extended periods of drought.

Argosy RF slows evaporation of moisture from the plant leaf without affecting the plant's uptake of carbon dioxide.

3 days without water



4 days without water



4 hours after watering



A laboratory trial was conducted on New Guinea Impatien plants by Sarah Sullivan, of EcoTech Management in Amherst, MA. The untreated plant on the left had approximately 17 ounces of water sprayed to both top and undersides of leaves.

The plant on the right was sprayed with the same amount of water plus 1% **Argosy RF**. On days one through three, the plants were subjected to 80°F dry weather in direct sunlight. On day four, plants were placed under a grow light in a laboratory. Plants were then watered to saturation and left for 4 hours to recover under the grow lights in the lab. (photo on right)

Evaluation of chemical compatibility is the sole responsibility of the user. For applicaiton instructions please see product label.

Performance Nutrition®
A division of LidoChem, Inc.
20 Village Court, Hazlet NJ 07730
Phone: (732) 888-8000
Email: info@pnfertilizers.com
www.pnfertilizers.com

PERFORMANCE
NUTRITION®

Performance Nutrition is a division of LidoChem, Inc.

Performance Nutrition and Argosy RF are registered trademarks of LidoChem, Inc.
© 2013 LidoChem, Inc.