

PROTYX™

FUNGICIDE ACTIVATOR

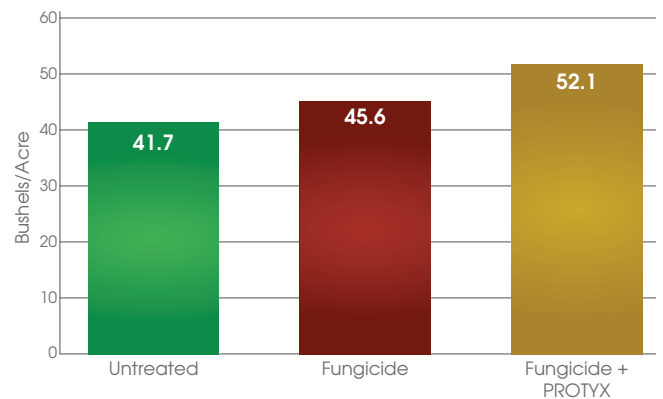
Ordinary adjuvants were never designed to optimize fungicide performance. Most common adjuvant formulations used today were developed as early as the mid 1960s, well before the discovery of modern triazole and strobilin fungicides. Spreader-stickers lack the ability to improve uptake of systemic fungicides into the plant, and ordinary surfactants do little to move oil-soluble systemic fungicides past leaf surface barriers. While crop oil concentrates can help improve uptake of oil-soluble fungicides, they run the risk of crop injury or mixing problems when used at higher rates and low water volumes.

Whether applications are made by ground, or by air, ordinary adjuvants simply aren't formulated to maximize the biological activity of today's fungicides.

IMPROVED TECHNOLOGY FINALLY INTRODUCED

Introduced into the agricultural market in 2003, after three years of research in optimizing fungicide performance, PROTYX is an activator adjuvant specifically formulated to enhance the performance of a wide range of systemic and contact fungicides and their tank mixes. Each component in PROTYX plays a critical role in squeezing more performance from fungicide applications. PROTYX is easy to use and is safe on all crops.

HIGHER SOYBEAN YIELD



Selection Guide for Fungicide Adjuvants

	Maximizes Coverage	Optimizes Uptake	Resists Wash-off	Crop Safety	Added ROI
PROTYX	●	●	●	●	●
Nonionic Surfactant	●	●	●	●	●
Spreader/Stickers	●	●	●	●	●
Silicone Surfactants	●	●	●	●	●
Crop Oil Concentrates	●	●	●	●	●

● Good ● Fair ● Poor

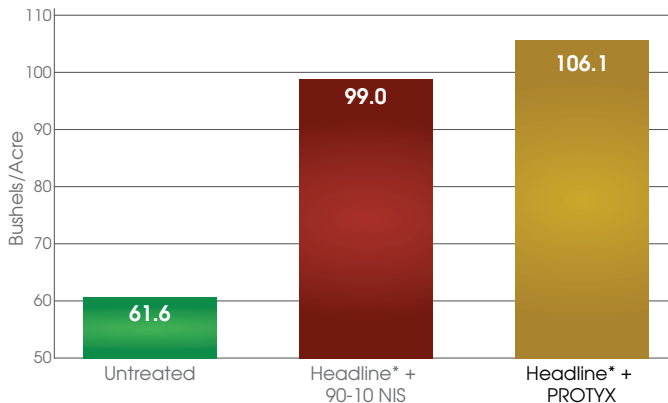
PROTYX'S UNIQUE FORMULATION

- A carbohydrate-based nonionic surfactant with excellent spreading, wetting and sticking properties decrease surface tension and creates a larger leaf surface contact area. This provides for better coverage of contact fungicides and greater uptake of systemic fungicides.
- An amine polymer complex modifies the waxy leaf surface to ensure more rapid and efficient penetration of the fungicide's active ingredients into the intracellular plant tissue. This accelerates the activity of the fungicide and prevents the progression of diseases.
- A buffering component to optimize stability and ensure compatibility in the spray tank.

PROTYX DELIVERS IMPROVED YIELD

Whether it's corn, soybeans or wheat, PROTYX has been proven to outperform ordinary adjuvants in enhancing fungicide performance and yield.

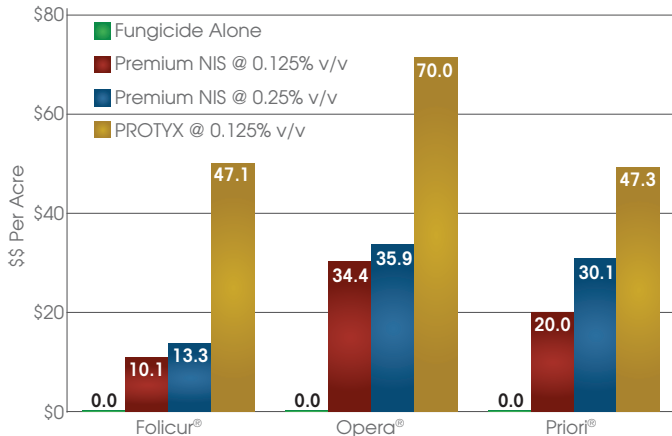
ADJUVANT EFFECT ON WHEAT YIELD WITH HEADLINE®



PROTYX DELIVERS MORE NET PROFIT PER ACRE

The addition of a premium surfactant can have a positive effect. PROTYX drives fungicide performance and yields to the highest levels, resulting in more net profit per acre.

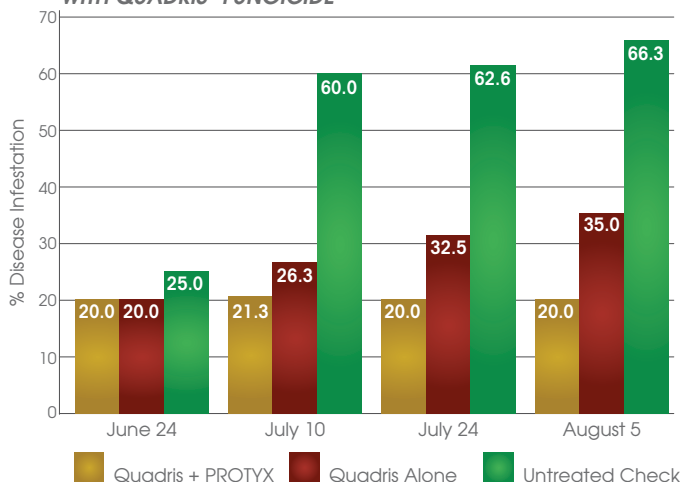
ROI OF ADJUVANTS IN SOYBEANS COMPARED TO ORDINARY ADJUVANTS



PROTYX DELIVERS FASTER RESULTS

Left unchecked, diseases can spread rapidly over time. PROTYX accelerates fungicide activity to stop disease in its tracks.

ADJUVANT EFFECT ON ANTHRACNOSE IN SOYBEANS WITH QUADRIS® FUNGICIDE



PROTYX DELIVERS MORE VALUE

Since its inception, university and independent research, as well as in-field testing, continue to prove that PROTYX technology outperforms ordinary adjuvants and delivers these tangible benefits:

- Faster fungicide uptake and results
- Improved plant health
- Increased yields
- Higher returns on fungicide investment
- Easy-to-use:
 - 1 pint per 100 gallons use rate for ground applications
 - 2 pints per 100 gallons for aerial applications
- Safe on all crops.

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