



## Nitrogen Fertilizer Manager

Regain is a stabilized nitrogen additive available in Prevail professional fertilizers. Regain provides the most advanced, continuous protection and stabilization of applied nitrogen, insuring a turf manager's fertilizer investment against wasteful nitrogen loss. Delivering the nutrient benefits at lower application rates, Regain products can decrease fertilizer costs over similar areas of application.

### Maximize Investment

- Regain keeps more nitrogen where the turf can use it
- Less volatilization, less leaching, less nitrogen loss

### Maximize Returns

- Regain is actively protecting nitrogen
- Keeps nitrogen available when turf needs it most





### Regain Benefits:

Up to 50 percent of applied nitrogen can be lost to leaching, volatilization and denitrification. Regain continuously protects and stabilizes applied nitrogen fertilizer by controlling urease – keeping more nitrogen in the ammonium form reducing the loss of nitrogen.

Unlike other nitrogen-fertilizer additives, Regain lets you apply nitrogen when and how it works for you, adding flexibility to your application schedule from fall to spring.

### How Regain Works:

- Urease is a naturally occurring enzyme that breaks down applied nitrogen, producing nitrogen volatilization.
- Regain bonds with elements in the soil (multi-valent cations) which prevents urease from functioning.
- More of the applied nitrogen stays in the root zone remaining available to the turf for a longer amount of time.
- Regain maintains the nitrogen in the soil in the ammonium form versus the nitrate form, which is more readily absorbed by the turf.



### Regain Outperforms SCU even at Reduced Rates

Treatment	Guaranteed Analysis	Nitrogen Application Rate (Lbs./M)	Average Clipping Wt. (G/plot)	Average Color Index (1-999)
25% SCU, Urea	33-0-0	1.0	14.8	341
Urea w/Regain	22-0-0	0.67	18.7	380
100% SCU	22-0-0	0.67	13.1	329
Non-Fertilized Control	n/a	0.00	7.0	262

University of Wisconsin, 2010

### Research and Technology

Spring Valley is dedicated to bringing leading-edge technology to market, providing you with the latest advancements in fertilizer solutions. By sponsoring university research on the ingredients we use, Spring Valley verifies the efficacy of our fertilizers for use in turf applications. Research has validated that the addition of Regain to our fertilizers improves turf growth at lower application rates.



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