

Stabilized Nitrogen

The Green, Green Grass of Home

Stabilized Nitrogen fertilizer products offer a novel approach to nitrogen fertility problems in turf grass. Stabilized Nitrogen products are uniquely formulated to minimize losses and also to provide uniform feeding of turf, resulting in extended, deep green colour turf - without the added cost of polymer coated or methylene urea products.

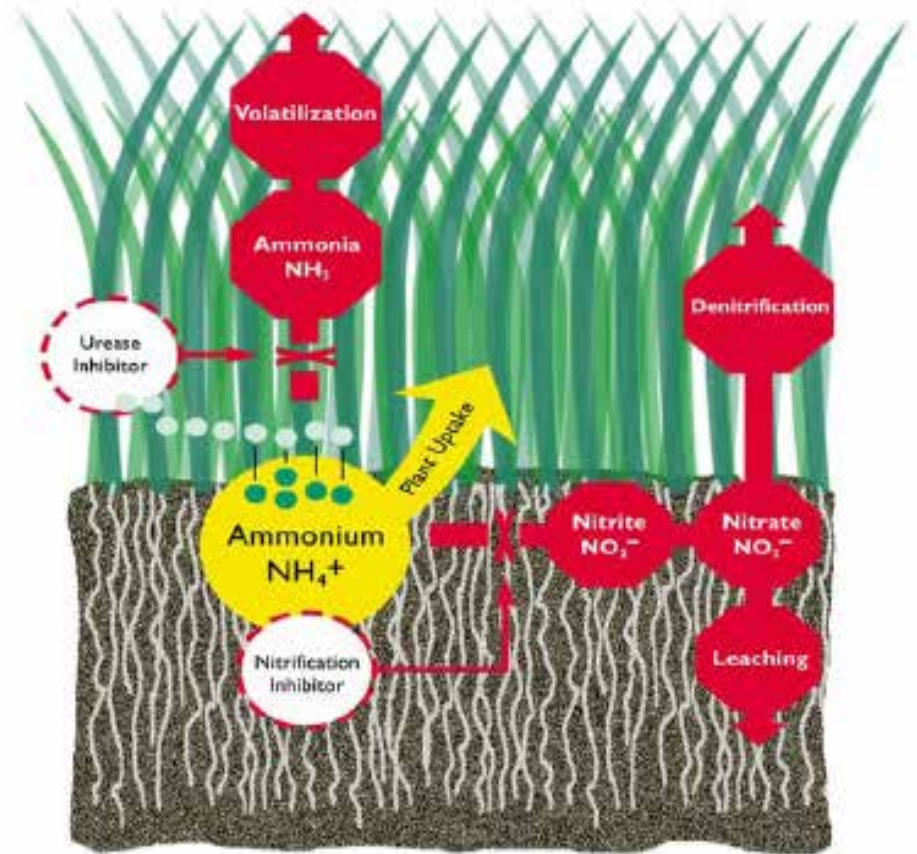
Endorsed by Professionals

Independent research in North America also shows that Stabilized Nitrogen including AGROTAIN® Nitrogen Stabilizing technology delivers a healthy, long-lasting, deep green turf with superior visual qualities and ratings. Research at Kansas State University found that UMAXX® Stabilized Nitrogen delivered similar colour and visual quality as urea and more immediate grass response than slow release forms of nitrogen. By the end of the growing season, UMAXX Stabilized Nitrogen provided the highest turf quality with less Brown Patch. Summarizing other research at the University of Wisconsin, Virginia Tech and the University of Southern Illinois on turf grass, bluegrass, bentgrass and ryegrass, UMAXX Stabilized Nitrogen prevented leaf burn and provided favorable turf colour and quality.

At the Prairie Turfgrass Research centre at Olds, Alberta, and the Guelph Turfgrass Institute in Ontario, UMAXX® Stabilized Nitrogen were the best in class in terms of strength and durability of colour, as well as uniformity of response.

The Stabilized Nitrogen Difference

The family of Stabilized Nitrogen products from TerraLink Horticulture Inc. represents a new and exciting class of extended response nitrogen products. The technology in UMAXX and UFLEX enhance the efficiency and value of the most widely used nitrogen source in the world, urea. These products are uniquely formulated with the world's only commercially



available urease inhibitor, NBPT and the leading nitrification inhibitor, Dicyandiamide. Together, these additives work synergistically to overcome nitrogen loss from urea due to volatilization, denitrification, and leaching. The result is a premium nitrogen product that is environmentally sound, providing steady growth and optimum response. UMAXX and UFLEX are not coated products, and don't rely on microbial degradation to release nitrogen. They can be used in dry granular fertilizer blends, or as a soluble nitrogen source with the same great results, any time of the year.

The Stabilized Nitrogen cycle above shows the areas where nitrogen efficiency is improved. Nitrogen loss from volatilization is eliminated by the urease inhibitor NBPT for approximately 14 days, by which time enough rainfall or irrigation would be expected

to move urea nitrogen into the soil. Once in the soil, the rapid conversion from ammoniacal nitrogen to nitrate nitrogen is minimized by the nitrification inhibitor Dicyandiamide. As a cation, the soil can hold onto ammoniacal nitrogen on exchange sites just as it does other plant nutrients. Ammoniacal nitrogen does not leach and is efficiently utilized by the plant. The result is that more of the nitrogen applied stays where it is intended for improved performance, value and environmental responsibility.

