



Just The pHacts

Destroying the Myth of Nitrogen Loading with the *pHairway*TM Program

Some of our customers have commented on the increase in turf growth witnessed when they apply the pHairway program. Many of them have attached significance to the Nitrogen added along with the pHairway. This has, in some cases, affected the way they use the product.

The purpose of this bulletin is to illustrate the amount of N added with each application. You will see that the amount of N added is well below the minimum values typically used in N applications. This supports the notion that the growth being observed is related to other benefits of pHairway, namely the opening of the soil profile which promotes greater nutrient uptake of previously applied, but yet unused fertilizers.

The facts:

The pHairway product density is 12.7 lbs / gallon

The pHairway product has 15% soluble urea

There is 1.90 lbs. N in each gallon of pHairway

There are 43.56 1000 ft² / acre

Real Life Calculations :

Assume we feed 20 gallons of pHairway in one nightly cycle of irrigation over 100 acres

20 gallons x 1.9 lbs. N = 38 lbs. N over 100 acres

$\frac{38 \text{ lbs. N}}{100 \text{ acres}} = .38 \text{ lbs. per acre of turf}$

$\frac{.38 \text{ lbs. N}}{43.56 \text{ 1000 ft}^2 \text{ units per acre}} = .008 \text{ per 1000 ft}^2$

This is eight one-thousandths of a pound of N per 1000 ft²

This is 25 times less than the typical low end application rate of .2 lbs. N per 1000 ft² !!

Conclusion:

The observed growth and greening can then be attributed to the benefits of the other components and actions of the *pHairway* treatment.