

AGROTAIN controls nitrogen losses so that trees can reach their full potential.

Stabilized nitrogen fertilizer maximizes nitrogen efficiency while minimizing loss to the environment. In forest ecosystems, there can be up to 50% urea loss due to volatilization, meaning up to half of the nitrogen applied via urea fertilizer is lost into the air.

AGROTAIN® controls the risks of volatilization. AGROTAIN urease inhibitor maximizes the value of urea by making available more nitrogen to the trees. By delaying urease, an enzyme present in the soil, water, and highly concentrated in the organic residue on the forest floor, nitrogen doesn't gas off into the air as ammonia. Urea remains in a plant available form longer, so more of this vital nutrient is delivered to the trees.

Peace of mind.

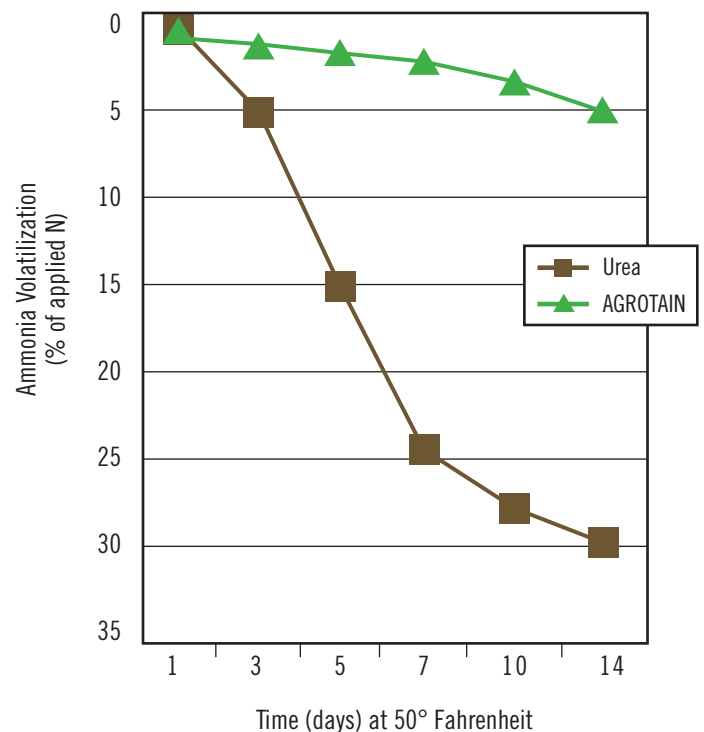
- Controls volatilization losses
- Protects your nitrogen investment and helps ensure trees receive the full benefit of the nitrogen applications
- Does not harm surrounding plant life
- Safe and beneficial for the environment

Producing more timber is easier with AGROTAIN.

- Frees you from limitations of weather
- Longer window of opportunity for aerial or ground application
- AGROTAIN is recommended for use on any area where nitrogen volatilization is a factor
- Increases both the yield and profitability of wood production
- World's only commercially available urease inhibitor, recognized by AAFPCO

AGROTAIN is a nitrogen stabilizer that reduces volatilization and allows for custom application to dry bulk urea (46-0-0) and urea-ammonium nitrate (UAN) solutions at various rates.

Cumulative Nitrogen Loss by Volatilization



Make certain your trees are getting the nitrogen that they need.

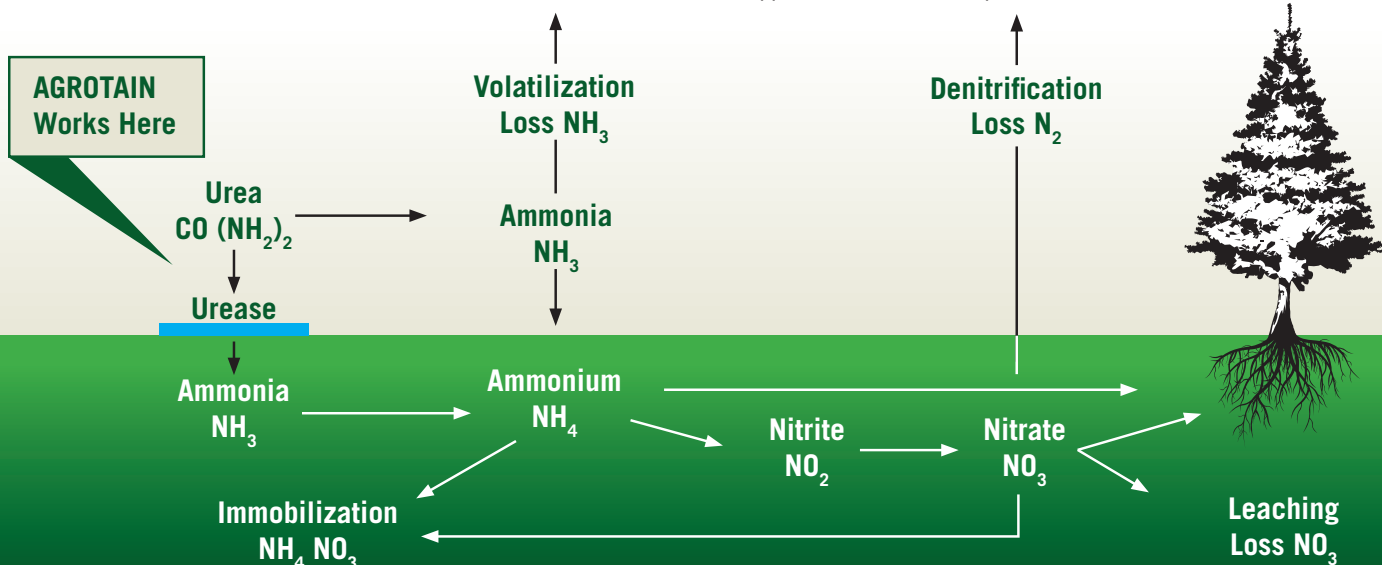
Nitrogen is the most limiting nutrient to tree growth and is important in foliage production because leaves grow trees. Trees with limited or reduced nitrogen indicate major deficiency symptoms through smaller leaves and needles as well as yellowing, or chlorosis of the foliage.

Urea is the most efficient form of nitrogen for forest fertilization as it can provide the highest nitrogen content once stabilized with AGROTAIN.

When it comes to soil fertility and nitrogen stabilization, making the best agronomic, economic and environmental decisions includes AGROTAIN.

For more information please contact Ben Thompson, Director of East Division and Industrial Sales, at 561.376.4571 or bthompson@agrotain.com. Web site at www.AGROTAIN.com.

NITROGEN CYCLE



Forestry Urea and AGROTAIN Savings

Application of urea per acre, in product pounds:

	Urea Pounds/A	Cost/Pound	Net \$/A
Unstabilized Urea			
Urea Amount Applied	300	\$0.180	\$54.00
Lost To Volatility (30%)	<u>-90</u>		<u>-\$16.00</u>
Fertilizer Remaining	210		
AGROTAIN Stabilized Nitrogen			
Urea Amount Applied	300	\$0.180	\$54.00
AGROTAIN Investment		\$0.025	<u>\$7.50</u>
Stabilized N Fertilizer Cost	300	\$0.205	\$61.50

Net effect:

- Spending \$7.50 on AGROTAIN to treat 300 pounds urea insures against the loss of \$16. That is a payback of more than 2-1.
- In this example using AGROTAIN also makes another 90 pounds of urea available to the roots of the tree to increase growth.

Assumptions:

- Volatility loss is 30%
- Urea cost is \$350/ton applied
- AGROTAIN cost is \$50 per gallon
- Application rate is 4 Qts. per ton of urea

