



# ACTİVCOREN

SLOW-RELEASE TRIAZONE NITROGEN REDUCES  
LEAF BURN AND INCREASES ABSORPTION



[www.proaktivkimya.com](http://www.proaktivkimya.com)



- It remains in the liquid phase on the leaf surface much longer than urea and other nitrogens.
- Compared to nitrate and ammonium nitrogen sources, urea significantly reduces leaf burning and increases foliar absorbed nitrogen.
- Low volatile, safe and stable slow-release nitrogen source for Foliar and Fertigation
- ACTIVVCOREN slowly releases Triazone nitrogen, reducing its combustion potential and improving Foliar uptake efficiency.
- ACTIVVCOREN optimizes the uptake of nitrogen and other nutrients by keeping the soil at the desired moisture level during fertilization.



#### Guaranteed Content

- Nitrogen 28.0
- 11.0% as urea
- 17.0% as polymethylene urea
- Specific Gravity 1.32 kg/L
- pH 8.0 - 10.0

#### Typical Application Rates

- Foliar: 0.2 - 5 L/Da
- Horticulture Use 5 to 20 L/Da water
- Field use at least 10 L/Da water
- Fertilization: 2 - 20 L/Da



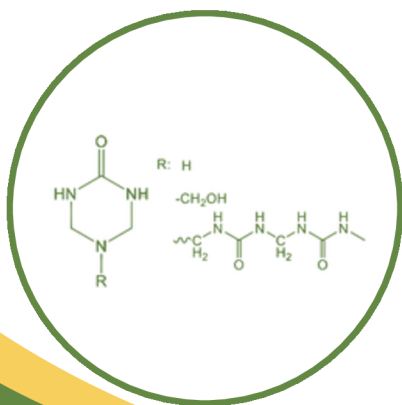
Foliar application of nitrogen (N) and other nutrients essential for plant growth and development is an important issue in crop production. There are many foliar fertilizers on the market that contain traditional N sources such as ammonium ( $\text{NH}_4$ ), nitrate ( $\text{NO}_3$ ) and/or urea ( $\text{CH}_2\text{N}_2\text{O}$ ). However, these traditional N sources have a high salt index and have the potential to cause leaf blight.

In foliar applications, leaf burn or plant poisoning can be a problem (Widders, 1991). To avoid or minimize this situation, urea-triazone N (TAR-COREN) can be used instead of conventional N sources.

This article provides basic information on urea-triazone-based fertilizers for domestic and foreign users. It is a useful resource for extension lecturers, crop consultants, agricultural advisors, growers and those interested in commercial vegetable production.

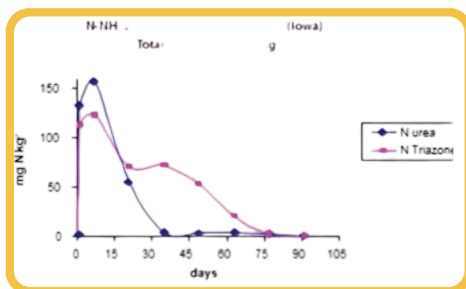


ACTIVVCOREN (urea-triazone) contains a total of 28% N, including 1% by weight of urea N and 17% of N slowly derived from triazone. Contains 280 Kg N per ton. It has a density of 1.32 Kg/L and a volume value of 1.32 tons/M<sup>3</sup>, a pH of 9.5 and a specific gravity of 1.32. This liquid fertilizer can be applied as a band or side row or injected through drip, sprinkler or center pivot irrigation systems. It is compatible with different phosphate and potash fertilizers and most micronutrient fertilizers as well as many crop protection chemicals. However, special care must be taken when applied with fertilizers containing ammonium and/or iron due to its high pH. At such high pH, ammonium N is subject to volatilization of ammonium; non-chelated (II)-loaded iron becomes unavailable to plants due to oxidation. Avoid mixing urea-triazone with fertilizers containing ammonium N that are acidic and/or contain free ferrous iron [Fe(II)]. However, it is compatible with TARAN, a neutralized special ammonium nitrate solution containing 15% total N.





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In summary, ACTIVVCOREN is a slow-release urea-triazone N fertilizer containing 28% total N, suitable for both foliar and soil application for commercial vegetable and fruit crops. It is compatible with summer microbial fertilizers, after 90 days in the soil it has 70 i sil N available. This nitrogen fertilizer is different from most other controlled release fertilizers. It is a stable solution and an effective source of N for fertilization. It has low plant toxicity/burn potential and has high compatibility with many P and K fertilizers.



# CONTACT



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