For more information:

Jodi Hoatson, Swanson Russell

jodih@swansonrussell.com

402-818-1142

**Duromide Increases Nitrogen Protection Efficiency by up to 33 Percent Compared to NBPT Alone**

***Reducing Nitrogen Loss Can Help Growers Lower Fertilizer Costs***

# WICHITA, Kan. (Dec. 8, 2021) – As input supply chain issues tighten budgets, growers will need to capitalize on their nitrogen investment by protecting what they apply to their fields. A recent peer-reviewed article concludes Duromide + NBPT reduces ammonia volatilization loss from urea by up to 33 percent compared to NBPT alone. Developed by Koch Agronomic Services (Koch), Duromide is found in ANVOL® nitrogen stabilizer, working in tandem with NBPT to increase nitrogen protection efficiency.

“Peer-reviewed articles are the gold standard of research when it comes to a new technology,” said Dr. Greg Schwab, vice president of agronomy and innovation at Koch. “Between the amount of data required and the review process, it generally takes 2-3 years to achieve this accomplishment. Koch is proud to have this published research to showcase the superior performance of Duromide, the active ingredient in ANVOL, compared to stabilizers that rely on the older NBPT technology.”

Koch’s ANVOL is a unique solution to address ammonia volatilization with the dual-active ingredients of Duromide and NBPT. With optimal amounts of two active ingredients working in tandem, ANVOL provides a longer duration of protection from nitrogen loss through volatilization. This extended window of protection provides a higher return on investment for growers while reducing environmental impact.

“I definitely believe that Duromide is a superior active ingredient to what we were receiving in our NBPT-only stabilizer products,” said Chad Weckerly, a grower and retail fertilizer supplier in North Dakota. “Knowing that I can count on that, ANVOL allows us a much greater application window. That way we can have the best chance of success.”

# The authors of the [article](https://www.rbcsjournal.org/article/duromide-increase-nbpt-efficiency-in-reducing-ammonia-volatilization-loss-from-urea/), published in the Revista Brasileira de Ciencia do Solo, noted the new Duromide stabilizer has a different chemical structure than NBPT, making the molecule more stable. The soil study demonstrated Duromide allowed more time for nitrogen fertilizer to be incorporated into the soil by precipitation or irrigation and consequently reducing nitrogen losses by ammonia volatilization.

# To learn more about ANVOL and its active ingredient Duromide, go to [ANVOL.com](https://www.kochagronomicservices.com/solutions/agricultural-nitrogen-efficiency/anvol/) or contact your Koch sales representative.

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**About Koch Agronomic Services, LLC**Koch Agronomic Services, LLC and its affiliates produce and market a proven and expanding global portfolio of plant performance technologies for agriculture producers. With a commitment to creating real, sustainable, long-term value for customers and society, Koch Agronomic Services, LLC focuses on developing customer-driven solutions to maximize plant performance. Koch Agronomic Services, LLC is a subsidiary of Koch Ag & Energy Solutions, LLC.

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Koch Agronomic Services, LLC, 4111 E. 37th St. N, Wichita, KS 67220