



ACTIVE
AgriScience
activeagriscience.com

TECHNOLOGY BEYOND the POINT of NUTRITION™

Active AgriScience Inc. supports the farming community by providing innovative, effective and economical products. A leader in plant nutrient and bioactive compound research and technology, Active AgriScience uses rigorous scientific methods to develop full cycle fertilizer and nitrogen management solutions to help enhance crop potential while being mindful of environmental impacts.

3422 Millar Avenue
Saskatoon, SK, S7K 5Y7, Canada
tel.: 639.398.0485

ACTIVE INGREDIENTS

15% DMPP
(3, 4-dimethylpyrazole phosphate).

INACTIVE INGREDIENTS

85% [N-methyl-2-pyrrolidone (NMP), propylene glycol, emulsifier, preservative, dye].

activeagri.com/arm-u-15dmpp



JULY 30 2024



15% DMPP NITRIFICATION INHIBITOR

SLOWS DOWN THE N CYCLE

Slows the conversion of ammonium to nitrate, enhancing the efficiency of nitrogen fertilizers.



IMPROVES NITROGEN-USE EFFICIENCY

Maximizes fertilizer efficiency, lowering overall costs by reducing the amount needed.



CANADIAN MADE

Made in Canada and designed specifically for North American conditions.



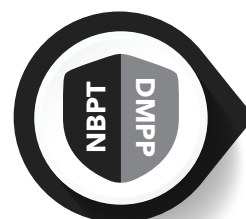
REDUCES N₂O EMISSIONS

DMPP inhibits nitrification which reduces nitrous oxide emissions.



LESS PRODUCT, MORE IMPACT

Requires less product per metric tonne of fertilizer compared to competitor brands.



ADD NBPT FOR DUAL PROTECTION

Can be mixed with ARM U™ 18% NBPT or 30% NBPT to inhibit all forms of nitrogen loss.

NITROGEN STABILIZERS FOR EVERY SCENARIO



12% NBPT, 2% DMPP
General purpose dual inhibitor for fall or spring.



10% DMPP
For banded applications.



18% NBPT
For high soil pH, low moisture.



30% NBPT, 15% DMPP
For fall applications, water-logged soils.



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ALWAYS READ LABEL BEFORE USE

BLENDING DIRECTIONS

Blending into Urea: Use 0.6 L ARM U™/1000 kg Urea. For uniform blending, use a blender with impregnation equipment. Weigh the urea and transfer to blender. Add the required amount of ARM U™ to the urea in the blender. Blend until the ARM U™ is uniformly mixed into the urea. Do not add any other fertilizer materials until ARM U™ is thoroughly distributed. If mixture appears wet or sticky, a drying agent may be added at this time.

Blending into UAN: Use 0.35 L ARM U™/ 1000 kg UAN solution. Fill spray tank with half the desired amount of UAN, Measure the recommended quantity of ARM U™ and add to the tank. Mix well. Add other products at this stage, if needed. Add the second half of the UAN solution. Continue mixing until well blended. Keep agitator running while mixing.

This product can be mixed with ARM U™ 18% NBPT or ARM U™ 30% NBPT to mitigate the losses from ammonia volatilization along with nitrification and denitrification.

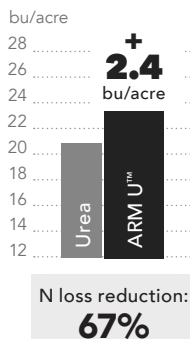
COMPATIBILITY

Compatible with urea, urea ammonium nitrate and other urea based fertilizers.

*3rd party research by University of Manitoba and University of Winnipeg.

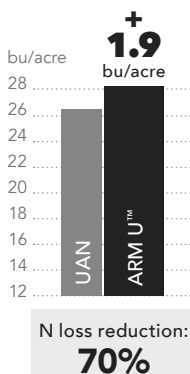
ACTIVE AGRISCIENCE DISCLAIMER: Presented Data and product attributes will not guarantee the future efficacy and product attributes as these vary greatly related to weather conditions soil types and genetics of crops. It is understood and agreed that Active AgriScience Inc. ("Active") does not guarantee that use of its Products will yield any specific result. Active's legal liability, and that of its employees or agents, arising from use of its products shall be limited to the cost paid for the product regardless of whether any loss arose from Actives own negligence, breach of contract, or any other cause. Under no circumstance shall Active be liable, beyond the cost paid for the product, for direct consequential, incidental, or special damages, including, but not limited to, damage or destruction of a crop, or contamination of any property.

CANOLA



CANOLA • UREA - ARM U™ 30% NBPT & 15% DMPP - FALL APPLIED*

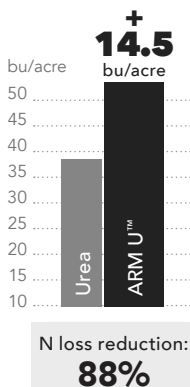
TREATMENTS	TOTAL NH ₃ LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Urea	16.6		1410	21.1	
ARM U™ 30%NBPT & 15%DMPP	5.4	67.0	1570	23.5	11.3



CANOLA • UAN - ARM U™ 30% NBPT & 15% DMPP - SPRING APPLIED*

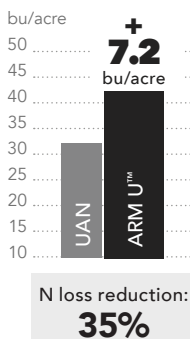
TREATMENTS	TOTAL NH ₃ LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
UAN	4.0		1762	26.4	
ARM U™ 30%NBPT & 15%DMPP	1.2	70.0	1888	28.3	7.2

WHEAT



WHEAT • UREA - ARM U™ 30% NBPT & 15% DMPP - FALL APPLIED*

TREATMENTS	TOTAL NH ₃ LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Urea	21.0		2573	38.5	
ARM U™ 30%NBPT & 15%DMPP	2.4	88.0	3544	53.0	37.7



WHEAT • UAN - ARM U™ 30% NBPT & 15% DMPP - FALL APPLIED*

TREATMENTS	TOTAL NH ₃ LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
UAN	2.6		2201	32.9	
ARM U™ 30%NBPT & 15%DMPP	1.7	35.0	2682	40.1	22.0