

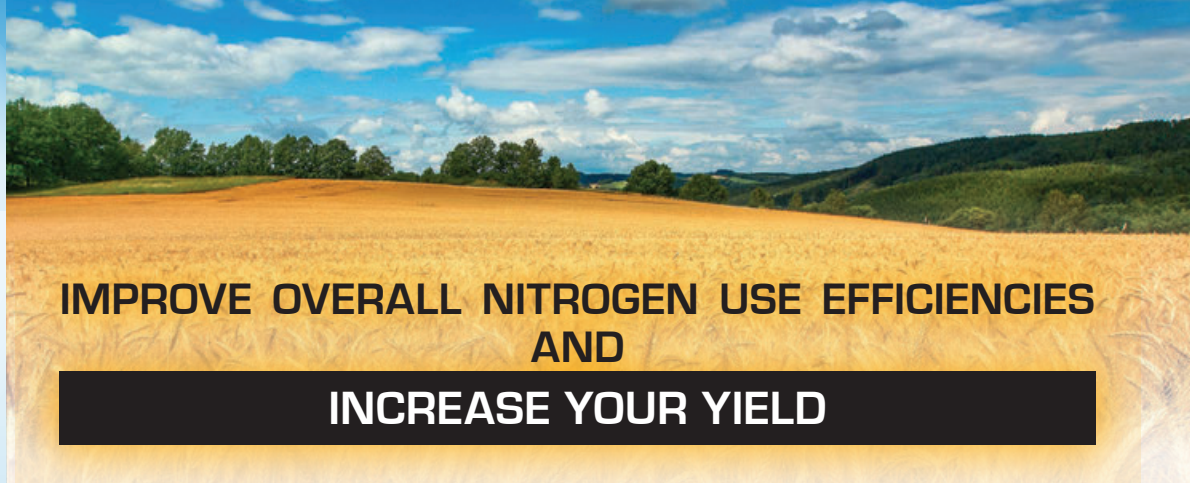


**ACTIVE**<sup>™</sup>  
AgriScience  
activeagriscience.com

TECHNOLOGY  
BEYOND  
the POINT  
of NUTRITION<sup>™</sup>

Active AgriScience Inc. supports the farming community by providing innovative, effective and economical products that increase yields. A leader in plant nutrient and bioactive compound research and technology, Active AgriScience uses rigorous scientific methods to develop and enhance products to improve farm production and profits.

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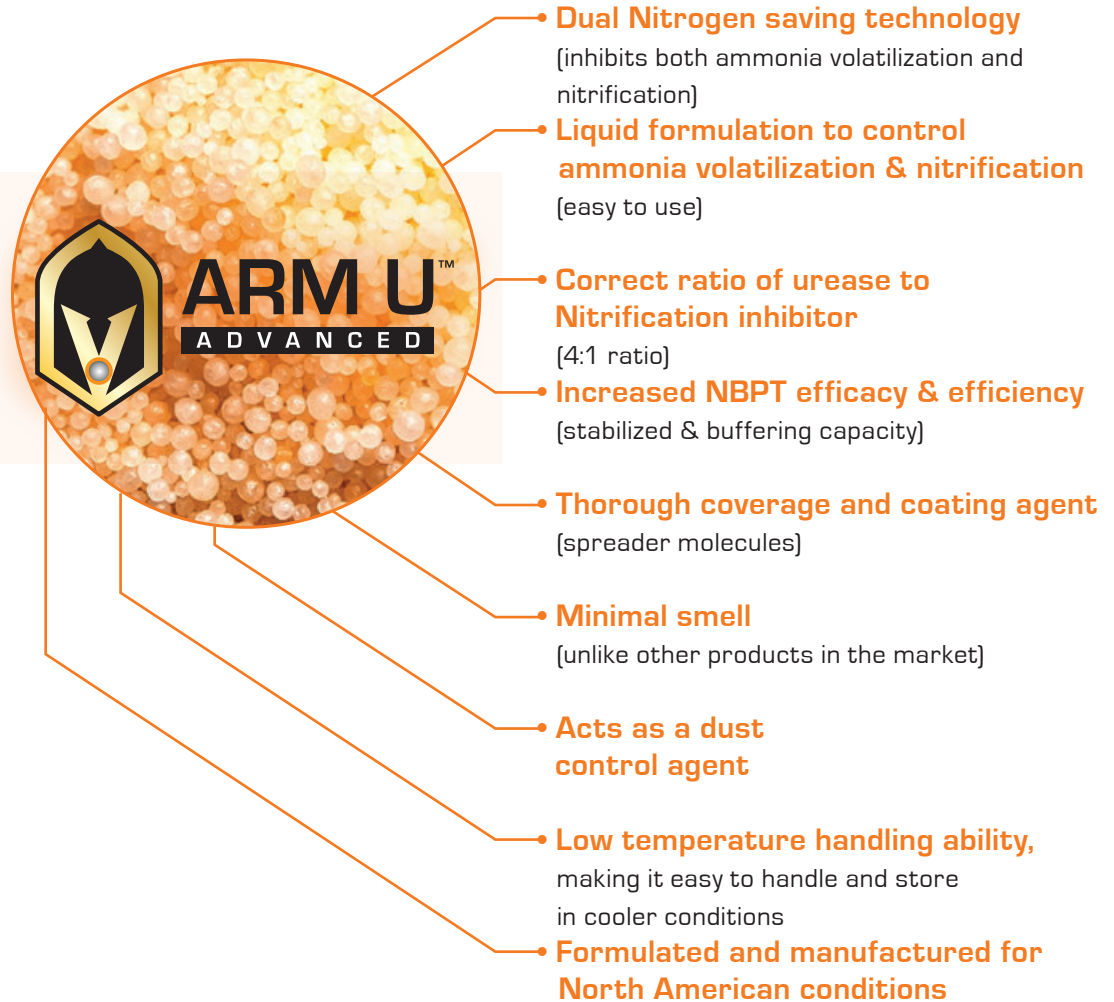


## IMPROVE OVERALL NITROGEN USE EFFICIENCIES AND

## INCREASE YOUR YIELD

### BENEFITS of ARM U<sup>™</sup> ADVANCED

The patent pending ARM U<sup>™</sup> ADVANCED formula makes our product one of the most advanced Nitrogen management technologies on the market.



### ARM U<sup>™</sup> ADVANCED FORMULA

- pH balanced (6.3-6.8)
- Has better flowability and mixability
- Has low application rates
- Works equally on dry urea & urea solutions (UAN)

ARM U<sup>™</sup> Advanced consists of two parts: 1) Part A 2) Part B.

**PART A - ACTIVE INGREDIENTS:** 30% NBPT [N-(n-butyl) thiophosphoric triamide], CAS No. 94317-64-3. **INACTIVE INGREDIENTS:** (70%) NMP [N-methyl-2-pyrrolidone], CAS No. 872-50-4, propylene glycol CAS No. 57-55-6, ethylene glycol CAS No. 107-21-1, emulsifier, preservative, dye.

**PART B - ACTIVE INGREDIENTS:** 15% DMPP [3, 4-dimethylpyrazole phosphate], CAS No. 202842-98-6. **INACTIVE INGREDIENTS:** (85%) NMP [N-methyl-2-pyrrolidone], CAS No. 872-50-4, propylene glycol CAS No. 57-55-6, emulsifier, preservative, dye.



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**BLENDING INSTRUCTIONS:**

ALWAYS READ LABEL BEFORE USE.

ARM U™ Advanced consists of two parts: 1) Part A 2) Part B.

**PREPARATION INSTRUCTIONS:**

Use Part A & Part B in a 1:0.5 ratio by volume. Premixing - Pour Part B into Part A. Mixing is not required; however, if mixing equipment is available, agitate mixture for 1-2 minutes. Use prepared mixture immediately - do not store. Treating System - Direct Part A and Part B toward the fertilizer in a 1:0.5 ratio.

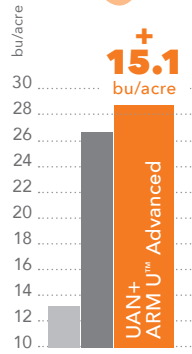
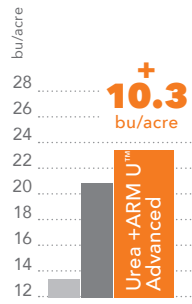
**FERTILIZER BLENDING INSTRUCTIONS:**

**Blending with UAN:** Use 1.1 L of prepared mixture / 1000 kg of UAN solution. Fill spray tank with half the desired amount of UAN. Add the ARM U™ Advanced mixture to the tank. Add other products at this stage, if needed. Add the second half of the UAN solution. Mix well.

**Blending into Urea:** Use 1.8 L of prepared mixture / 1000 kg of urea. For uniform blending, use a blender with impregnation equipment. Blend ARM U™ Advanced / urea mixture thoroughly before adding other fertilizer materials; urea granules should be a uniform orange colour at this stage. If mixture is wet or sticky, a drying agent may be added at this time.

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**



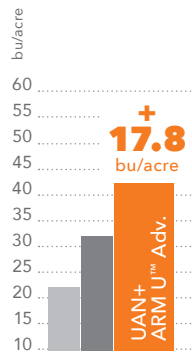
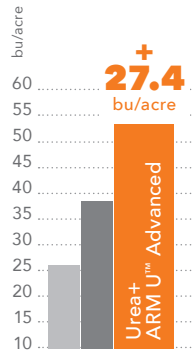
**CANOLA • UREA - ARM U™ ADVANCED, FALL APPLIED \***

TREATMENTS	TOTAL NH <sub>3</sub> LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0.0		880	13.2	
Urea	16.6		1410	21.1	
Urea with ARM U™ Advanced	5.4	67.0	1570	23.5	11.3

**CANOLA • UAN - ARM U™ ADVANCED, SPRING APPLIED \***

TREATMENTS	TOTAL NH <sub>3</sub> LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0.4		880	13.2	
UAN	4.0		1762	26.4	
UAN with ARM U™ Advanced	1.2	70.0	1888	28.3	7.2

**WHEAT**



**WHEAT • UREA - ARM U™ ADVANCED, FALL APPLIED \***

TREATMENTS	TOTAL NH <sub>3</sub> LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0.0		1710	25.6	
Urea	21.0		2573	38.5	
Urea with ARM U™ Advanced	2.4	88.0	3544	53.0	37.7

**WHEAT • UAN - ARM U™ ADVANCED, FALL APPLIED \***

TREATMENTS	TOTAL NH <sub>3</sub> LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0.0		1491	22.3	
UAN	2.6		2201	32.9	
UAN with ARM U™ Advanced	1.7	35.0	2682	40.1	22.0

\* 3<sup>RD</sup> party research conducted by University of Manitoba and University of Winnipeg