ACTIVE™
AgriScience
activeagriscience.com

TECHNOLOGY BEYOND the POINT of NUTRITION™

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.

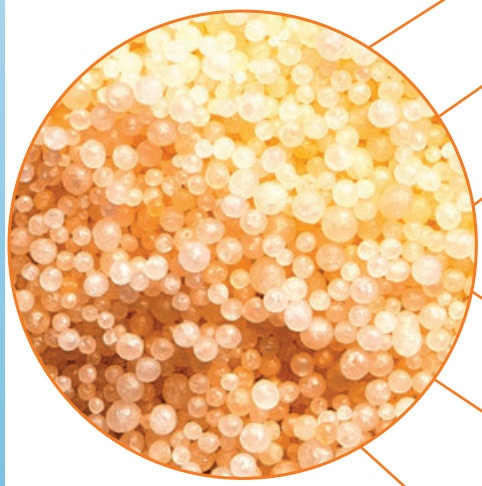
3422 Millar Avenue
Saskatoon, SK, S7K 5Y7, Canada
tel.: 604.864.0154

ARM U™

INTELLIGENT NITROGEN STABILIZER

ARM U™ BENEFITS

The patented ARM U™ formula makes our products one of the most advanced Nitrogen management technologies on the market.



- **Increased NBPT efficacy & efficiency** (stabilized & buffering capacity)
- **Thorough coverage and coating agent** (spreader molecules)
- **Minimal smell** (unlike other products in the market)
- **Acts as a dust control agent**
- **Stays in liquid form up to -15ºC,** making it easy to handle and store in cooler conditions
- **Formulated and manufactured for North American conditions**

Patent numbers:
USA: 9422203 B2
Canada: 2889430

Active ingredient:
18% N-(n-butyl) thiophosphoric triamide (NBPT), CAS No. 94317-64-3.

Total inactive ingredients:
82 % (preservative, colorant, spreading agents, surfactant).

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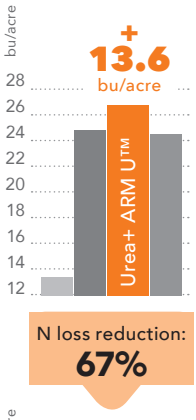
ARM U™

BLENDING INSTRUCTIONS:

Blending into UREA-AMMONIUM NITRATE (UAN) SOLUTIONS:
Use 1.2 L ARM U™/1000 kg UAN solution (1.5 qt ARM U™/250 gal 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.

Blending into UREA:
Use 2 L ARM U™/1000 kg Urea (2 qt ARM U™/ 2000 lbs 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.

CANOLA

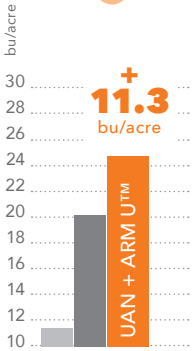


+13.6 bu/acre

N loss reduction: **67%**

CANOLA • UREA - ARM U™, SPRING APPLIED *

TREATMENTS	TOTAL NH_3 LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0.4		880	13.2	
Urea	15.0		1646	24.6	
Urea with ARM U™	4.9	67.0	1793	26.8	8.9
Urea + competitor	6.7	55.0	1611	24.1	-2.1



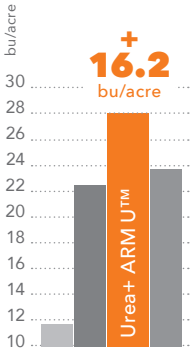
+11.3 bu/acre

N loss reduction: **81%**

CANOLA • UAN - ARM U™, FALL APPLIED *

TREATMENTS	TOTAL NH_3 LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0		880	13.2	
UAN	6.5		1339	20.0	
UAN with ARM U™	1.2	81.0	1636	24.5	22.2

WHEAT

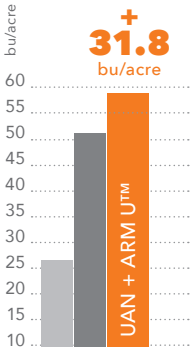


+16.2 bu/acre

N loss reduction: **81%**

WHEAT • UREA - ARM U™, FALL APPLIED *

TREATMENTS	TOTAL NH_3 LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0		787	11.8	
Urea	15.1		1520	22.7	
Urea with ARM U™	2.9	81.0	1871	28.0	23.1
Urea + competitor	2.1	86.0	1564	23.4	2.9



+31.8 bu/acre

N loss reduction: **74%**

WHEAT • UAN - ARM U™, FALL APPLIED *

TREATMENTS	TOTAL NH_3 LOSS (kg N/ha)	% REDUCTION	GRAIN YIELD (kg/ha)	GRAIN YIELD (bu/acre)	% CHANGE
Bare soil	0		1710	25.6	
UAN	9.0		3400	50.9	
UAN with ARM U™	2.4	74.0	3838	57.4	12.9

** 3RD party research conducted by University of Manitoba and University of Winnipeg*