

## ACTIVE 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.

# IMPROVES OVERALL **NITROGEN USE EFFICIENCIES** AND **INCREASES YOUR YIELD**

### NUTRITIONAL CYCLE **TECHNOLOGY TARGETING** THE FOUR KEY GROWTH STAGES



UP TO By minimizing the urease enzyme activity, the ARM U<sup>™</sup> coating & NBPT molecule inhibits the urease enzyme activity and stops the ammonia volatilization

# 96%

**STABILIZF** 

### BENEFITS of ARM U<sup>™</sup>

- LOW pH STABILIZED BELOW 7
- INCREASED NBPT EFFICIENCY
- LOWER APPLICATION RATE
- THOROUGH COVERAGE & COATING
- MINIMAL ODOR
- EFFECTIVE DUST CONTROL AGENT
- FASTER FLOW IN COLD TEMPERATURES
- **EASY HANDLING & STORAGE IN COLD CONDITIONS**

**PATENT NUMBERS:** Canada: 2889430; USA: 9422203 B2

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

C		
Agriscience	Nitro ARM U's signal forths: ure annowing hirds to	ogen Stabilizer RMU™ raddtive that controls annmonia gas loss from urea and Mol (ertilizers by inhibiting urease extyre activity.
	ACTIVE INSERDIDIES: 11% II	ELEMPINES MYD UREA AMMONISHIN MYTEATT (EMIN) SOCIETONSE (hn. 5.15, 1400 UP) VOI 1000 sintens. Fil group taak with half the desired answard of 1000 Menouve the recommended gaastry of a UP. Yan and Add ta the task. Not well, Add other products to tage, Reised Add the second half the Buschellson. Continuementing will will blonds. REIMPINE (NTO UREA: Use 2 (AMM UP)1000 bg lives, for unforms beinding, are a blands with Durage task of the Second half the Buschellson. Sind wat the Add NF <sup>16</sup> the second task of the Buschellson. The Second Half Desire Buschell, Add Half Burger and most of Add VIII to the area and taskellson. Sind wat the Add NF <sup>16</sup> the second product and the Add NF <sup>16</sup> bits and the Buschells. The Add NF <sup>16</sup> the second product and the second task of the Buschells. Sind wat the Add NF <sup>16</sup> the second product and the second second the Buschells. Sind wat the Add NF <sup>16</sup> the second product and the second second the Buschells. Sind wat the Add NF <sup>16</sup> the second product and the second second the Buschell Add NF <sup>16</sup> the second product and the second second the Buschells. The second second the Buschell Add NF <sup>16</sup> the second product and the second second the Buschell Add NF <sup>16</sup> the second product and the second second the Buschell Add NF <sup>16</sup> the second product and the second second the Buschells. The second second the Buschell Add NF <sup>16</sup> the second seco
10L (2.64 gal):	STORMES Stars locked up. DISPOSAL: Dispose of graduat / antiainer in accordance with Federal, provincial, state, and local regulations. FOR CHEMICAL EMERGENCY CALL: (604),864.0154 Active applications inc. DISCALAMARE Private read that demonstration confederations	Manufactured by Active ApriConex Inc. 200 - 31136 Prantamile Fel. Monthleef, BC, V2T 682, Canada respect to your least region, as a understand and appendix that the ApriConex Bac, Texatured and singular backy, and for old or less respects on applications and appendix that the Appendix and the Appendix

INACTIVE INGREDIENTS: (82%) [N-methyl-2-pyrrolidone (NMP) CAS No. 872-50-4, propylene glycol CAS No. 57-55-6, emulsifier, preservative, dye].

### **EFFECTS of ARM U<sup>™</sup>**

#### WHEAT • FALL APPLIED UREA + ARM U<sup>™</sup>

Cumulative ammonia volatilization loss and yield results\*

Cumulative ammonia volatilization loss (lbs N/acre)	Day 0-7	Day 14-21	Total	% reduction	Yield (bu/acre)	% change
Control (without urea and UAN)	0.4	0.1	0.4		29.7	
Untreated urea @ 89 lbs N/acre	7.0	7.8	14.9		37.3	
Urea coated with ARM U™ (2 L/1000kg rate) @ 89 lbs N/acre	0.3	4.2	4.5	62.3	49.4	32.5

#### CANOLA • FALL APPLIED UAN + ARM U<sup>™</sup>

Cumulative ammonia volatilization loss and yield results\*

Cumulative ammonia volatilization loss (lbs N/acre)	Day 0-7	Day 14-21	Total	% reduction	Yield (bu/acre)	% change
Control (without urea and UAN)	0.2	0	0.2		38.9	
Untreated UAN @ 89 lbs N/acre	0.4	1.2	1.6		57.6	
UAN mixed with ARM U™ (1.5 L/1000L rate)@ 89 lbs N/acre	0.4	1.2	1.2	22.0	62.6	8.7

\* Research conducted by University of Manitoba, Carman, MB • 2017







#### Distributed and supported by:



www.taurus.ag