

## A griScience 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.

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#### **ACTIVE INGREDIENTS:**

12% N-(n-butyl) thiophosphoric triamide (NBPT). 2% 3,4-Dimethyl pyrazol Phosphate (DMPP).

#### **INACTIVE INGREDIENTS:**

86 % (preservative, colorant, spreading agents, surfactant, product performance enhancer).

### VARIABLE APPLICATION:

UAN: 1 - 2 L / mt Urea: 1.2 - 2.4 L / mt

Use this product only in accordance with directions on the label.



active

# DUAL-ACTION NITROGEN STABILIZER



Active STABILIZER<sup>™</sup> PLUS prevents nitrogen loss due to ammonia volatilization, nitrification and denitrification processes ensuring applied fertilizer is not wasted. Depending on a farmer's goals, Active STABILIZER<sup>™</sup> PLUS gives farmers a choice: higher yield using the same amount of urea based nitrogen or same yield but using less urea based nitrogen. In comparison to DCD products, the DMPP in Active STABILIZER<sup>™</sup> PLUS offers superior efficacy and no bio-accumulation. With its low cost and unique variable application rate, farmers can treat as necessary to maximize their return on investment.

#### NOT TREATING COSTS YOU

Stop wasting fertilizer! Without treatment, up to 50% of the nitrogen applied as soil fertilizer is converted to ammonia gas and released into the atmosphere.

#### TREATMENT PAYS FOR ITSELF

The cost of applying Active STABILIZER™ PLUS is guaranteed to pay for itself in nitrogen savings alone, reducing the amount of urea fertilizer required.

#### VIELD IS 100% PROFIT

With 1.2 L/mt of urea, Active STABILIZER™ PLUS is able to produce a ROI >1% in Nitrogen savings alone. Everything after that is profit.

#### NOVEL FORMULATION

Formulation includes components to maximize your crops' genetic potential, enhancing nutrient uptake and their ability to thrive in unfavourable conditions.

#### SUPERIOR HANDLING QUALITIES

Active STABILIZER™ PLUS has a superior composition that enhances coverage and spread-ability, reduces dust, smell, caking, and can be used below freezing temperatures.

NO LONGER STRESS ABOUT THE DECISION TO STABLIZE YOUR NITROGEN. BENEFITS PLUS PRICE EQUALS PEACE OF MIND



COST OF TREATMENT \$2.53/acre or \$0.013/lb to treat 193.48 lb urea @ 1.2L.

UREA SAVINGS Cost of urea = \$0.273/lb.

Urea saved/acre with treatment = 13.63 lb.

0.273 \* 13.63lb = 3.72 of urea saved/acre.

\$3.72 - \$2.53 = \$1.19/acre net money saved.

Grower loses \$1.19/acre by not treating.

#### **YIELD SAVINGS**

N requirement to increase 1 bu of canola = 3.3 lb.

6.3 lb of N saved  $\div$  3.3 lb/bu canola = 1.9 bu of canola gained.

1.9 bu of canola/acre \* \$13/bu = \$24.70 potential revenue gained.

#### **TOTAL SAVINGS**

\$24.7 + \$1.19 = \$25.89/acre in savings.



BENEFITS DLUS PRICE EQUALS PEACE OF MIND



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## AMMONIA VOLATILIZATION OF UREA TREATED WITH ACTIVE STABILIZER PLUS

Greenhouse study conducted at University of Manitoba

N APPLICATION RATE: 89 lb / acre

UREA MARKET PRICE: \$600 / mt

ACTIVE STABILIZER PLUS SRP: \$24 / L

TREATMENT COST AT 1.2L / mt: \$2.53 / acre

N REQUIREMENT TO INCREASE 1 bu OF CANOLA: 3.3 lb

CANOLA MARKET PRICE: \$13.00 / bu

Application Rate (L/mt)	N savings lb of N/acre			\$ Value for	Net	Expected yield	\$ Value for	Total
	NH3	Nitrates	Total	saved N / acre	savings / acre	increase - canola (bu/acre)	increased yield	peace of mind
Untreated urea	0.0	0.0	0.0	\$0.00	\$0.00	0.00	\$0.00	\$0.00
Urea 1.2L	3.2	3.1	6.27	\$3.72	\$1.19	1.90	\$24.70	\$25.89
Urea 1.8L	3.2	1.5	4.65	\$2.76	-\$1.04	1.41	\$18.32	\$17.27
Urea 2.4L	3.7	1.1	4.76	\$2.82	-\$2.25	1.44	\$18.74	\$16.49



