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

12% NBPT (N-(n-butyl) thiophosphoric triamide);
2% DMPP (3,4-dimethylpyrazole phosphate).

INACTIVE INGREDIENTS

86% [NMP (N-methyl-2-pyrrolidone), propylene glycol, emulsifier, preservative, dye].

activeagri.com/stabilizer-plus

SCAN ME for more info

JUNE 17 2024

active STABILIZER™ PLUS

12% NBPT 2% DMPP

DUAL-ACTION NITROGEN STABILIZER

SLOWS DOWN THE N CYCLE

Inhibits nitrogen loss processes, keeping nitrogen available to plants longer.

2 IN 1 STABILIZER

Combines NBPT to prevent ammonia volatilization and DMPP to reduce leaching and denitrification.

PAYS FOR ITSELF

Can pay for itself through nitrogen savings alone, reducing the amount of nitrogen fertilizer required.

INHIBITS NH_3 LOSS

Up to 84% reduction in ammonia volatilization compared to untreated urea.

BEST NITROGEN MANAGEMENT ROI

Enhanced nitrogen fertilizer efficiency translates into a significant ROI.

REDUCES N_2O EMISSIONS

Up to 23% reduction in nitrous oxide emissions compared to untreated urea.

NITROGEN STABILIZERS FOR EVERY SCENARIO

active STABILIZER PLUS	active BANDIT	ARM U 18% NBPT	ARM U ADVANCED
12% NBPT, 2% DMPP	10% DMPP	18% NBPT	30% NBPT, 15% DMPP
General purpose dual inhibitor for fall or spring.	For banded applications.	For high soil pH, low moisture.	For fall applications, water-logged soils.

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ALWAYS READ LABEL BEFORE USE

BLENDING DIRECTIONS

Blending into Urea: Use 1.2 - 2.4 L Active STABILIZER™ PLUS / 1000 kg Urea. For uniform blending, use a blender with impregnation equipment. Weigh the urea and transfer to blender. Add the required amount of Active STABILIZER™ PLUS to the urea in the blender. Blend until the Active STABILIZER™ PLUS is uniformly mixed into the urea. Do not add any other fertilizer materials until Active STABILIZER™ PLUS is thoroughly distributed. If mixture appears wet or sticky, a drying agent may be added at this time.

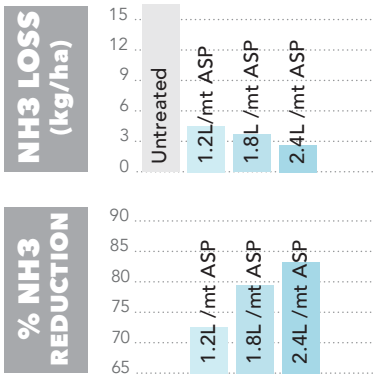
Blending into UAN: Use 1 - 2 L of Active STABILIZER™ PLUS / 1000 kg UAN solution. Fill spray tank with half the desired amount of UAN, Measure the recommended quantity of Active STABILIZER™ PLUS and add to the tank. Mix well. Add other products at this stage, if needed. Add the second half of the UAN solution. Continue mixing until well blended. Keep agitator running while mixing.

COMPATIBILITY

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

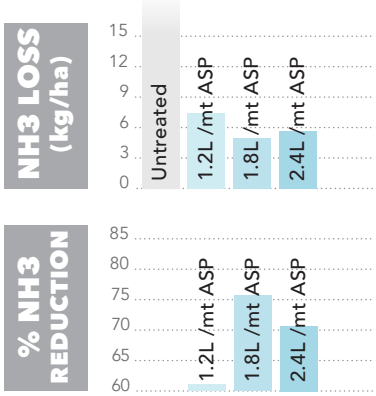
*3RD party nitrogen emissions research with the University of Manitoba.

CUMULATIVE NH3 LOSS FROM BANDED UREA*



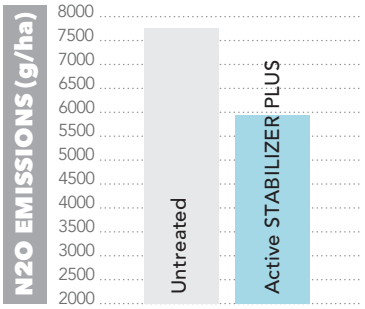
TREATMENTS	BANDED	
	NH3 loss (kg/ha)	% NH3 reduction
Untreated Urea	16.6	0.0
1.2L/mt Active STABILIZER PLUS (12% NBPT, 2% DMPP)	4.6	72.5
1.8L/mt Active STABILIZER PLUS (12% NBPT, 2% DMPP)	3.4	79.4
2.4L/mt Active STABILIZER PLUS (12% NBPT, 2% DMPP)	2.7	83.8

CUMULATIVE NH3 LOSS FROM BROADCASTED UREA*



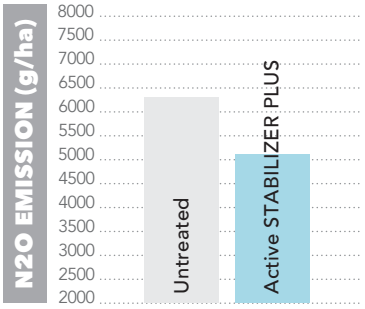
TREATMENTS	BROADCAST	
	NH3 loss (kg/ha)	% NH3 reduction
Untreated Urea	19.2	0.0
1.2L/mt Active STABILIZER PLUS (12% NBPT, 2% DMPP)	7.4	61.5
1.8L/mt Active STABILIZER PLUS (12% NBPT, 2% DMPP)	4.8	75.2
2.4L/mt Active STABILIZER PLUS (12% NBPT, 2% DMPP)	5.7	70.3

NITROUS OXIDE EMISSIONS FROM BROADCASTED UREA*



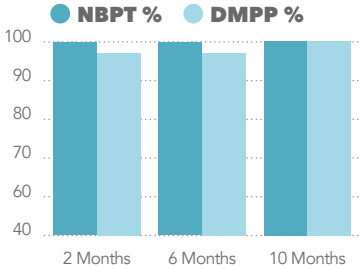
TREATMENT	N2O FLUX (g/ha)	DIFFERENCE (g/ha)	REDUCTION %
Untreated	7760		
Active STABILIZER PLUS	5965	1794	**23.1**

NITROUS OXIDE EMISSIONS FROM SHALLOW BANDED UREA*



TREATMENT	N2O FLUX (g/ha)	DIFFERENCE (g/ha)	REDUCTION %
Untreated	6301		
Active STABILIZER PLUS	5161	1141	**18.1**

SHELF LIFE STUDY, NBPT & DMPP ANALYSIS OVER 14 MONTHS*



SAMPLING TIME	% NBPT EFFICACY	% DMPP EFFICACY
2 months	100%	98%
6 months	100%	98%
10 months	100%	100%

Efficacy is based on remaining NBPT and DMPP at each point in time.