



ACTIVETM
AgriScience
activeagriscience.com

TECHNOLOGY
BEYOND THE
POINT OF
NUTRITIONTM

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.

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

3,4-Dimethylpyrazole Phosphate (DMPP), CAS No. 202842-98-6.

INACTIVE INGREDIENTS:
Preservative, colorant, spreading agents, surfactant.

PATENT NUMBERS:
USA: 9422203 B2
Canada: 2889430



NITROGEN STABILIZERS MANURE APPLICATION

Nitrogen Stabilizer BENEFITS

Manure application has been identified as one of the major sources of atmospheric ammonia and nitrous oxide emissions. Nitrogen losses following land application of manure can reach up to 95% of the total manure nitrogen-ammonium (N-NH₄) content, drastically decreasing the manure's nutrient value. ARM U contains NBPT, which inhibits the urease enzyme activity decreasing nitrogen loss through ammonia volatilization. ARM U Advanced contains both NBPT and DMPP, which reduces nitrogen loss through ammonia volatilization and nitrous oxide emissions from nitrification.



- INCREASES NITROGEN UTILIZATION
- REDUCES AMMONIA VOLATILIZATION
- INHIBITS NITRIFICATION/DENITRIFICATION
- DECREASES MANURE SMELL

NITROGEN STABILIZER LIQUID MANURE RATE

MANURE TYPE	LIQUID SWINE MANURE	LIQUID DAIRY MANURE	LIQUID CHICKEN MANURE
Volume (L)	1000	1000	1000
ARM U 18%NBPT rate (L)	1.5	1.5	2
ARM U Advanced			
ARM U 30%NBPT rate (L)	1.2L	1.2L	1.2L
ARM U 15%DMPP rate (L)	1.2L	1.2L	1.2L

NITROGEN STABILIZER SOLID MANURE RATE

MANURE TYPE	SOLID DAIRY MANURE	SOLID BEEF MANURE	SOLID CHICKEN MANURE
Weight (kg)	1000	1000	1000
ARM U 18%NBPT rate (L)	1.5	1.5	2
ARM U Advanced			
ARM U 30%NBPT rate (L)	1.2L	1.2L	1.2L
ARM U 15%DMPP rate (L)	1.2L	1.2L	1.2L