

# NITROGEN MANAGEMENT



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Active STABILIZER™ 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™ 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™ 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.

#### YIELD 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.



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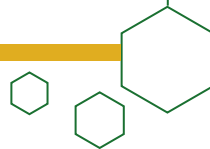
#### ACTIVE INGREDIENTS:

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





**ARM U**  
**ADVANCED**



Two-part nitrogen saving technology that inhibits both ammonia volatilization and nitrification. ARM U™ ADVANCED is a soil fertilizer additive that utilizes two mechanisms to ensure that plants are able to absorb sufficient nitrogen for healthy, rapid growth.

### **DIRECTIONS for USE:**

**BLENDING INSTRUCTIONS: ALWAYS READ LABEL BEFORE USE.**

ARM U™ Advanced consists of two parts:  
1) Part A 2) Part B.

**PREPARATION INSTRUCTIONS:** Use Part A & Part B in a 1:0.5 ratio by volume.  
Premixing - Pour Part B into Part A.  
Mixing is not required; however, if mixing equipment is available, agitate mixture for 1-2 minutes. Use prepared mixture immediately - do not store. Treating System - Direct Part A and Part B toward the fertilizer in a 1:0.5 ratio.

**FERTILIZER BLENDING INSTRUCTIONS:**  
Blending with UAN: Use 1.1 L of prepared mixture / 1000 kg of UAN solution. Fill spray tank with half the desired amount of UAN. Add the ARM U™ Advanced mixture to the tank. Add other products at this stage, if needed. Add the second half of the UAN solution. Mix well.

Blending into Urea: Use 1.8 L of prepared mixture / 1000 kg of urea. For uniform blending, use a blender with impregnation equipment. Blend ARM U™ Advanced / urea mixture thoroughly before adding other fertilizer materials; urea granules should be a uniform orange colour at this stage. If mixture is wet or sticky, a drying agent may be added at this time.

### **INCREASED NBPT EFFICACY & EFFICIENCY**

ARM U™ and ARM U™ ADVANCED reduce nitrogen loss better than any other products on the market.

### **HAS BETTER FLOWABILITY AND MIXABILITY**

### **MINIMAL SMELL**

ARM U™ and ARM U™ ADVANCED are buffered formulas that stabilize NBPT molecules and prevent odorous ammonia emissions.

### **ACTS as a DUST CONTROL AGENT**

ARM U™ and ARM U™ ADVANCED contains bio-polymers and spreaders that quickly cover urea granules, allowing for a smooth flow and reduction in dust.

### **GREAT FOR COLDER CLIMATES**

Stays in liquid form up to -15°C, making it easy to handle and store in cooler conditions.

### **INCREASED CHLOROPHYLL**

By allowing the absorption of nitrogen, the development of chlorophyll is supported, fostering photosynthetic energy production and storage for increased health and growth.

### **HAS LOW APPLICATION RATES**

### **WORKS EQUALLY ON DRY UREA & UREA SOLUTIONS (UAN)**

Active ingredient: two-part product. Jugs must be mixed prior to use.  
Part A: 30% N-(n-butyl) thiophosphoric triamide (NBPT)  
Part B: 15% 3,4-Dimethylpyrazole phosphate (DMPP)  
10L, 500L, 1000L.



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

### DIRECTIONS for USE:

#### BLENDING INTO UREA-AMMONIUM NITRATE (UAN) SOLUTIONS:

Use 1.2 L ARM U™/1000 kg 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. 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.

#### Active ingredient:

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

#### Total inactive ingredients:

82 % (preservative, colorant, spreading agents, surfactant).

### INCREASED NBPT EFFICACY & EFFICIENCY

ARM U™ and ARM U™ ADVANCED reduce nitrogen loss better than any other products on the market.

### REDUCED REQUIREMENT FOR UREA/UAN

By reducing nitrogen loss as ammonia by 96%, the requirement for nitrogen fertilizer can be reduced by 20-30%.

### MINIMAL SMELL

ARM U™ and ARM U™ ADVANCED are buffered formulas that stabilize NBPT molecules and prevent odorous ammonia emissions.

### ACTS as a DUST CONTROL AGENT

ARM U™ and ARM U™ ADVANCED contains bio-polymers and spreaders that quickly cover urea granules, allowing for a smooth flow and reduction in dust.

### GREAT FOR COLDER CLIMATES

Stays in liquid form up to -15°C, making it easy to handle and store in cooler conditions.

### INCREASED CHLOROPHYLL

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### ARM U LIQUID MANURE RATE

Manure type	Liquid swine manure	Liquid dairy	Liquid chicken
Volume (L)	1000	1000	1000
Arm U (18%) rate (L)	1.5	1.5	2

### ARM U SOLID MANURE RATE

Manure type	Solid dairy	Solid beef	Solid chicken
Weight (kg)	1000	1000	1000
Arm U (18%) rate (L)	2	2	2.5

