

# One AP Cavalcade™ 0.42% Plus Fertilizer

## ACTIVE INGREDIENT:

Prodiamine, [N <sub>3</sub> ,N <sub>3</sub> -Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine]	0.42%
<b>Inert Ingredients:</b>	<b>99.58%</b>
<b>Total</b>	<b>100.00%</b>

For selective preemergence control of grass and broadleaf weeds in:

- Established Turf Grasses (excluding golf course putting greens) and lawns

# 38-0-7 MAINTAIN

## GUARANTEED ANALYSIS

Total Nitrogen (N).....38.00%

38.00% Urea Nitrogen\*

Soluble Potash (K<sub>2</sub>O)..... 7.00%

Derived from: Urea, Polymer Coated Urea, Muriate of Potash

Chlorine (Cl) Max.....5.95%

\*38.00% slowly available nitrogen from polymer coated urea

#023802

MSDS#02-042

KEEP OUT OF REACH OF CHILDREN

## CAUTION

See the following section, Precautionary Statements, Hazards To Humans and Domestic Animals, for additional information.

## ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- Established turf grasses (excluding golf course putting greens) and lawns

This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown for: (1) Sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Do not apply this product through any type of irrigation system. **FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

## WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass	Foxtails, Annual	Kochia	Rescuegrass <sup>3</sup>
Bluegrass, Annual (Poa annua)	Goosegrass <sup>1</sup>	Lambsquarter, common	Shepherd's Purse <sup>2</sup>
Carpentweed	Henbit	Lovegrass	Signalgrass, Broadleaf
Chickweed, common	Itchgrass	Panicum (Texas, Fall, Sprangletop)	Speedwell, Persian
Chickweed, mouse ear (from seed)	Johnsongrass (from seed)	Pigweed	Spurge, Prostrate
Crabgrass (large, smooth)	Junglerice	Purslane, common	Witchgrass
Crowfootgrass	Knotweed	Pusley, Florida	Woodsorrel, Yellow (from seed)
Cupgrass, Woolly			

- In many areas a single application of 0.65 lb. to 1.5 lb. active ingredient per acre (equal to 155 lbs. to 357 lbs./A of this product [or] equal to 3.6 to 8.2 lbs./1000 sq.ft. of this product) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 0.65 lb. to 1.0 lb. a.i. per acre (equal to 155 lbs. to 238 lbs./A of this product [or] equal to 3.6 to 5.5 lbs./1000 sq.ft. of this product) followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate Table above.
- Applications for this weed should be made in late summer, fall, or winter prior to germination.
- Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

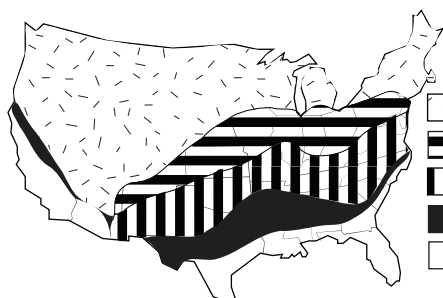
## APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

## ESTABLISHED TURF:

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

## CRABGRASS SEED GERMINATION DATES



Approximate Date	
After May 30	[White box]
After May 10	[Light gray box]
After April 20	[Dark gray box]
After March 20	[Black box]
January 1 to March 20	[White box with border]

**USE PRECAUTIONS:** The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control. (6) Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.

## RATES OF APPLICATION

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

## MAXIMUM ANNUAL RATES

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate/Calendar Year of turf fertilizer by turf grass species <sup>(1)</sup>		
Turf Species:	Lbs. Cavalcade 0.42% Plus Fertilizer/Acre	Lbs. a.i./Acre
Creeping Bentgrass	155	0.65
Creeping Red Fescue	179	0.75
Buffalograss		
Kentucky Bluegrass	238	1.0
Perennial Ryegrass		
Bermudagrass <sup>(2)</sup>		
Bahiagrass	357	1.5
Centipedegrass		
Seashore Paspalum		
St. Augustinegrass		
Tall Fescue (including turf-type)		
Zoysia		

- These are the maximum rates per calendar year by species limitations.
- May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.5 lb. a.i./acre (equal to 119 lbs./A of this product [or] equal to 2.7 lbs./1000 sq.ft. of this product). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass, and Rescuegrass due to reduced product rates used in sprigging situations.
  - Do not apply more than 1.5 lbs. a.i. per calendar year per acre (equal to 357 lbs./A of this product [or] equal to 8.2 lbs./1000 sq.ft. of this product).
  - Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Table.

## WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.

## WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the following table below for best overseeding/reseeding results.

Lbs Product/Acre	Lbs a.i./Acre	Months Before Overseeding		
		North	Transition	South
119	0.50	4	4	4
155	0.65	5	4	4
179	0.75	6	5	5
190	0.80	-	6	6
238	1.00	-	7	7
271	1.14	-	-	9
310	1.30	-	-	10
357	1.50	-	-	12

## STORAGE AND DISPOSAL

**STORAGE:** Store this product in its original container in a dry, cool, secured area. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

**PRODUCT DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### FIRST AID

- IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- IF SWALLOWED:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center, or doctor for further treatment advice. Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

### CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Frick Services, Inc. or the Seller. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, Frick Services, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. To the extent consistent with applicable law Frick Services, Inc. makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. To the extent consistent with applicable law in no case shall Frick Services, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this Product. Frick Services, Inc. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Frick Services, Inc.

Pro AP is a trademark of Frick Services, Inc. Cavalcade is a trademark of Sipcam Agro USA, Inc.

EPA Reg. No. 60063-43-040249  
EPA Est. No. 040249-IN-010

**Net Weight: 50 lb (22.68 kg)**

Manufactured For:

**Frick Services, Inc.**

3154 W. Depot St. - Wawaka, IN 46794



SEE BACK OF BAG FOR SUGGESTED SPREADER SETTINGS

# One AP Cavalcade 0.42% plus Fertilizer

Approximate Spread pattern when applying at 4lbs per 1,000 sq. ft.  
100-120 particles per square foot

## SPREADER SETTINGS

Spreader settings vary by make and model of spreader. It is recommended that individual spreaders are calibrated for the specific product that is to be applied. A walking speed of 3 miles per hour is recommended.

Recommended Approximate  
Spreader Settings for One AP Cavalcade 0.42%  
plus Fertilizer:  
(wheel to wheel overlap)

Spreader	.732 a.i. lbs/Acre*	.915 a.i. lbs/Acre*
	4lb product/1000 sq ft	5lb product/1000 sq ft
Cyclone/Spyker	4.5	4.75
Turfco T3000	5	6
Lesco #	15	17
Lesco letter	F	G
Vicon 4.5 mph	28	32
Lely 4.5 mph	4.5	5.25
Perma-Green Mag	19	25
Andersons AccuPro 2000	L 1/2	M 3/4
Scotts R-8	J 3/4	L 1/2

\*DO NOT EXCEED the maximum yearly rate for specific turf grass species as given in the **Maximum Annual Rate Chart**

## APPLICATION PRECAUTIONS:

- Keep away from pools, ponds, etc. Do not contaminate potable water.
- Avoid application in high wind conditions to prevent drift and uneven distribution of fertilizer.
- Do not apply with drop-type spreader.
- Many plant nutrients can cause staining of sidewalks. Sweep walkways prior to irrigation. Walkways should be dry at time of application.

