



Fertilizer 25-0-12 with Mach 2[®] Insecticide

Professional Turf™
Products

FEATURES & USE TIPS:

- Combination fertilizer and Mach 2[®] Insecticide.
- For control of immature stages of certain listed insects in turfgrass.
- Utilizes Mach 2[®] Insecticide, which contains the active ingredient halofenozide.
- Contains NS-54™ polymer coated sulfur coated nitrogen for slow release feeding.
- Consistently sized particles reduce segregation potential.

PRODUCT SPECIFICATIONS:

N (25%): 25.00% Urea Nitrogen*
*10.00% Slowly available nitrogen from polymer coated sulfur coated urea

K - as K₂O - (12%): Potassium chloride

Cl (10.15%): Maximum chloride

Active Ingredient: Halofenozide (1.33%)

Following is a specimen label that may at some point be revised or otherwise become out of date. It is intended as a guide in providing general information regarding the use of this product. Always read and follow the label on the product container.

PRODUCT CODE:

APT251MH5

Date: 011209
Supersedes: 080706
Label: K8

PRODUCT CHARACTERISTICS:

Product Type:

Combination fertilizer
Mach 2[®] Insecticide

Nitrogen Type:

NS-54™

Particle Size:

SGN: 215

Net Weight:

50 lbs.

Coverage:

14,700 sq. ft. @
high rate

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*To order, contact your local
Andersons Lawn Products
distributor.*

*For more information, contact
Andersons at our website:
www.andersonslawnproducts.com
or call 1-800-225-2639.*

The Andersons Professional Turf™ Products

Fertilizer 25-0-12 with Mach 2® Insecticide

- For control of immature stages of certain insects in turfgrass.

Not for Sale or Use in Nassau and Suffolk Counties, New York. New York State Requires This Product to be Used Only by Professional Applicators.

Active Ingredients:

benzothiazole, benzoic acid, 4-chloro, 2-benzyloxy-1-(1-dimethyl-ethyl) hydrazide	1.33%
Other Ingredients	98.67%
Total	100.00%

EPA Reg. No. 62719-4001-38
 EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AI-001A
 Undefined letter is first letter used in our code on bag.

Guaranteed Analysis

Total Nitrogen (N)	25.00%
25.00% Urea Nitrogen	12.00%
Soluble Phosphorus (P ₂ O ₅)	1.85%
1.85% Free Sulfur (S)	
Plant nutrients derived from urea, potassium chloride, and polymer coated sulfur coated urea	10.15%
Chrome (Cr) Max	F292
*10.00% Slowly available nitrogen from polymer coated sulfur coated urea.	

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUCION

S listed no entente la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-992-3984. If you wish to obtain additional product information, visit our website at www.andersonsinc.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Store in a Dry Place

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, appropriate plant uses are covered - must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.243)(f)-(6), the handlers PPE requirements may be reduced or modified as specified in the WPS.

NON-WPS USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR part 170) - in general, only agricultural plant uses are covered by the WPS - must wear:

- Shirts and pants
- Gloves
- Shoes plus socks

User Safety Recommendations

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FIRST AID

If in eyes: hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Environmental Hazards

For terrestrial use: Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This chemical has the properties and characteristics associated with chemicals deleted in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Store in a Dry Place

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (40 CFR part 170). This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box do not apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of treated area until dusts have settled.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry, well-ventilated area. Prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children.

Pesticide Disposal: Wastes resulting from the use of this product (that cannot be used according to label instructions) may be disposed of on soil or at an approved waste disposal facility.

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

GENERAL INFORMATION

This product can be used as directed on lawns, sports fields, and other areas. Examples of such sites include, but are not limited to: residential and commercial lawns, parks, lawns, and golf courses; athletic fields, schools, multi-family and residential apartment complexes, airports, military and other institutions, cemeteries, parks and picnic areas, playgrounds, schools, athletic fields, golf courses, and sod farms. This product mimics the action of a natural insect hormone that reduces the molting and metamorphosis process in insects, and this product is highly active against grubs and lepidopterous larvae listed as target pests. This product controls listed larvae through a novel mode-of-action that starts within hours of ingestion. Actual death of larvae may take several days to occur.

Use Rate Determination

Carefully read, understand, and follow label use rates, recommendations and restrictions. Apply the amount specified with a properly calibrated fertilizer spreader. Check calibration periodically to ensure that equipment is working properly. Avoid overages that will increase rates above those recommended. Failure to follow the Directions for Use and all precautions on this label may result in grass injury or poor pest control.

Application Timing

The activity of this product is expressed following ingestion by the target larvae. Consequently, the timing of application is dependent upon the feeding behavior of the target pest. Consult your local State Extension Specialists for more specific information regarding timing of applications.

To achieve optimal effectiveness, the following turf management practices are suggested:

- Mow lawns to a height of 3 to 4 inches during the growing season.
- Make sure that the fertilizer is applied to the target area where insects are feeding.
- Make sure application is done in the early morning or late evening when temperatures are in the 60's and 70's (the best time for application is during the night).
- This product is not dependent on immediate irrigation for activation; however, water must transport the material through the thatch.

Under conditions of drought it is recommended to water in this product.

Application Equipment

Apply this product with a drop or rotary spreader designed to apply granular insecticides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overages during application.

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS	
			LOW RATE 1.0 lbs. a/a	HIGH RATE 2.0 lbs. a/a
Andersons AccuPro 2000, SP-2000 (cone B)	3 mph	12 feet	11/2	K
Scotts R-8, R-8A (cone B)	3 mph	12 feet	H	11/2
Lely Models WTR, WFR, HR, L250 (P/O at 459 ppm)	4.5 mph	42 feet	4	5
Vicon (03 Series)	4.5 mph	36 feet	21	29

SUGGESTED SPREADER SETTINGS

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.

50 lbs. treats 29,400 sq. ft. (0.67 acre) at the 7.5 lbs. product/acre - LOW RATE (3.4 lbs/1,000 sq. ft.)
 50 lbs. treats 14,700 sq. ft. (0.34 acre) at the 15.0 lbs. product/acre - HIGH RATE (3.4 lbs/1,000 sq. ft.)

Turfgrass

Pest	The Andersons Professional Turf Products Fertilizer 25-0-12 with Mach 2 Insecticide	Comments
Lepidoptera larvae such as: larvae of cutworms, sod webworms, armyworms, and fall armyworms.	7.5 lb/acre (1.72 lb/1,000 sq ft)	Apply at first sign of pest damage. A single repeat application can be made if needed.
White grub larvae such as: annual bluegrass weevil larvae (Hyperodes spp.) april grub beetle (Aphodius spp.) billbugs (Sphenophorus spp.) black turfgrass ateletus (Ateletus grandis) European chaffer (Rhizotrogus mairis) green June beetle (Coleinus nitida) Japanese beetle (Popillia japonica) May/June beetle (Phyllophaga spp.) northern masked chafar (Cyclosphecia borealis) Oriental beetle (Exomala orientalis) southern masked chafar (Cyclosphecia lurida)	150 lb/acre (3.4 lb/1,000 sq ft)	The Andersons Professional Turf Products Fertilizer 25-0-12 with Mach 2 Insecticide may be used as either a preventative or early treatment against young actively feeding larvae that have not developed past the second instar (see application timing instructions). Make only one application.

May/June beetles (Phyllophaga spp.) have life cycles that last 1 to 4 years depending upon the species. Knowing what species occur in your area is critical. For species having multiple year life cycles, repeat annual preventative applications are required to the same location. Applications should be made no later than the first week in May. If grub treatments are not repeated over multiple years, there is risk that severe turf damage will occur. **Note:** Application of this product for control of this grub does not coincide with timing for control of grubs that develop later in the season.

Do not apply more than 150 lb. (2 lb active ingredient) per acre per year regardless of pests controlled.

Use of this product on "Turfward" Bermuda grass greens may result in short term discoloration of the turfgrass. Since many agronomic factors may influence this response it is recommended that users treat a small area at recommended rates prior to initiating large-scale use.

For Sod Farms: Allow at least 7 days to elapse between last application and harvest of sod.

TERMS AND CONDITIONS OF USE

If items of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

WARRANTY DISCLAIMER

This seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. The seller **MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the seller. All such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at the seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought; or
2. Replacement of amount of product used.

The seller shall not be liable for losses or damages resulting from handling or use of this product unless the seller is promptly notified of such loss or damage in writing. In no case shall the seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use and this Limitation of Remedies cannot be waived by any written or verbal statements or agreements. No employee or sales agent of the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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SGN 215
Net Wt. 50 Lbs. (22.68 kg)



APT251MH5
 K8 (APTBLKPREDB)