



# Fertilizer 15-0-5 with Mach 2<sup>®</sup> Insecticide

Professional Turf<sup>™</sup>  
Products

## FEATURES & USE TIPS:

- Combination fertilizer and Mach 2<sup>®</sup> Insecticide.
- For control of immature stages of certain listed insects in turfgrass.
- Utilizes Mach 2<sup>®</sup> Insecticide, which contains the active ingredient halofenozide.
- Contains NS-54<sup>™</sup> polymer coated sulfur coated slow release nitrogen.
- Consistently sized particles reduce segregation potential
- Nitrogen content includes 40% NS-52<sup>™</sup> for slow release nitrogen feeding.

## PRODUCT SPECIFICATIONS:

**N (15%):** 15.00% Urea Nitrogen\*  
\*6.00% Slowly available nitrogen from polymer coated sulfur coated urea

**K - as K<sub>2</sub>O - (5%):** Potassium chloride

**Cl (4.24%):** Maximum Chlorine

**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*Following is a specimen label that may at some point be revised or otherwise become out of date.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:

**APT156MH5**

Date: 121708  
Supersedes: 080206  
Label: K8

## PRODUCT CHARACTERISTICS:

### **Product Type:**

Combination fertilizer  
Mach 2<sup>®</sup> Insecticide

### **Nitrogen Type:**

NS-54<sup>™</sup>

### **Particle Size:**

SGN: 215

### **Net Weight:**

50 lbs.

### **Coverage:**

14,700 sq. ft. @  
high rate

Mach 2 is a registered trademark of Dow AgroSciences, L.L.C.; The Andersons logo is a registered trademark of The Andersons, Inc. NS-54 and Professional Turf are trademarks of The Andersons, Inc.

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

*For more information, contact Andersons at our website:  
[www.andersonslawnproducts.com](http://www.andersonslawnproducts.com)  
or call 1-800-225-2639.*

# The Andersons Professional Turf™ Products

## Fertilizer 15-0-5 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:**

Benzothiazolone, 4-chloro-	1.33%
2-benzoyl-2-(1,1-dimethylethyl) hydrazide	98.67%
<b>Total</b>	<b>100.00%</b>

EPA Reg. No. 62719-603-91-98  
EPA Est. No. 9168-OH-VM 9198-OH-2B 9198-AL-0014  
Underlined letter is first letter used in our code on bag.

**Guaranteed Analysis**

Total Nitrogen (N)	15.00%
15.00% Urea Nitrogen*	5.00%
Soluble Phosph (P <sub>2</sub> O <sub>5</sub> )	0.00%
Plant nutrients derived from urea, potassium chloride, and polymer coated sulfur coated urea.	4.24%
Chlorine (Cl) Max.	F292
*60.00% slowly available nitrogen from polymer coated sulfur coated urea.	

### KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUCION

Si usted no entiende 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, emergency health or the environment involving this product, call 1-800-939-3964. If you wish to obtain additional product information, visit our website at [www.andersons.com](http://www.andersons.com).

**Store in a Dry Place**  
Agricultural Chemical. Do not ship or store with food, drugs, or clothing.

**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 USERS: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural plant uses are covered - must wear:  
• Long sleeved shirt and long pants  
• Waikneep 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 170.240(d) (4-6)), 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:  
• Shoes plus pants  
• Shoes plus socks

**User Safety Recommendations**  
Users should:  
• 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.  
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-939-3964 for emergency medical treatment information.

**Environmental Hazards**  
For terrestrial uses, 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 detected 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.

**DIRECTIONS FOR USE**

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 use, 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 only 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 site 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 any turfgrass site (lawn, sod, turf areas). Examples of such sites include, but are not limited to: residential lawns, grounds of state and local businesses and other commercial establishments, sports fields, golf courses, and other recreational areas, and soil farms. This product makes the action of a natural insect hormone that induces the molting and metamorphosis process in insects. This product is highly active against grubs and leopodermis 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 the application is working properly. Avoid overlaps 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**  
To achieve optimal effectiveness, the following turf management practices are suggested:  
• **Minimize hatch crops:** Heavy hatch will prevent the insecticide from penetrating to the area where insects are feeding.  
• **Make early applications prior to egg hatch up to when larvae reach the second instar:** (late spring through mid summer).  
• **This product is NOT dependent upon 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 that the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps 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 AccoPro 2000, SR-2000 (cone 8)	3 mph	12 feet	1 1/2	K
Scotts R-8, R-8A (cone 8)	3 mph	12 feet	H	1 1/2
Leif Moller's WTR, WFR, HR, (250 [P/P] at 4.50 rpm) Palmint 118	4.5 mph	42 feet	4	5
Vicon (OS 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. (0.07 acre) at the 75 lbs. product rate - LOW RATE (1.7 lbs/1,000 sq. ft.)  
50 lbs. treats 14,700 sq. ft. (0.34 acre) at the 150 lbs. product rate - HIGH RATE (3.4 lbs/1,000 sq. ft.)

**Turfgrass**

Pest	The Andersons Professional Turf Products Fertilizer 15-0-5 with Mach 2 Insecticide	Comments
Leptoptera larvae such as: larvae of cutworms, sod webworms, armyworms, and fall armyworms.	75 lb/acre (172 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.), aphodius beetle (Aphodius spp.), billbugs (Sphenophorus spp.), European chaffer (Rhizogonus majalis), green June beetle (Cotinus nitida), Japanese beetle (Popillia japonica), May/June beetle (Phyllophaga spp.), Oriental beetle (Eurysphindus borealis), southern masked chafers (Cyclocephala lurida)	150 lb/acre (34 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 (use application timing instructions). Make only one application.

May/June beetles (Phyllophaga spp.) have lifecycles that last 1 to 4 years depending upon the species. Knowing what species occur in your area is critical. For species having multiple year lifecycles, repeat annual preventative applications are required to the same location. Applications should be made no later than the third week in May. If grub treatments are not repeated over multiple years, there is a 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 "Tidwell" Bermudagrass 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 infusing aggregates use.

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

**TERMS AND CONDITIONS OF USE**

In terms 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**

The 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 the activity 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.

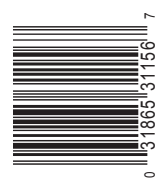
**LIMITATION OF REMEDIES**

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theory) shall be the purchase price paid by the buyer for this product. Buyer's sole and exclusive remedy shall be the purchase price paid by the buyer for this product, or replacement of the 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 varied 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)**



**APT156MH5**  
K8 (APTLKPREDB)