

# 18-0-18 with MERIT® Insecticide



## FEATURES & USE TIPS:

- Contains MERIT® insecticide, an insecticide that controls many soil-inhabiting pests, including grubs.
- Multiple use rates allow targeting of specific insects.
- Contains 50% slow release nitrogen from NS-54.
- Contains potassium sulfate.

**PRODUCT CODE:**  
**AGC189MR5**

Date: 022009  
Supersedes: 060608  
Label: E8

## PRODUCT CHARACTERISTICS:

**Product Type:**  
Combination fertilizer &  
MERIT® Insecticide

**Nitrogen Type:**  
NS-54™ Nitrogen

**Particle Size:**  
SGN: 215

**Net Weight:**  
50 lbs.

**Coverage:**  
14,200 sq. ft. at the  
low rate

## PRODUCT SPECIFICATIONS:

**N (18%):** 18% Urea Nitrogen\*

\*9.00% Slowly available nitrogen from  
polymer coated sulfur coated urea.

**K - as K<sub>2</sub>O - (18%):** Potassium sulfate

**S (7.05%):** 0.95% Free Sulfur  
6.10% Combined Sulfur

**Active Ingredient:** Imidacloprid (0.2%)

Andersons Golf Products is a registered trademark of The Andersons, Inc.; NS-54 is a trademark of The Andersons, Inc.; MERIT is a registered trademark of Bayer Corp.

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

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

*Following is a specimen label that may at some point be revised or otherwise become out of date.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

**APPLICATION EQUIPMENT**  
Apply this product uniformly over the area being treated with typical granular application equipment. Both drop-type and rotary-type spreaders may be used to apply this product. Avoid the use of spreaders which would apply the material in narrow concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure the equipment is working properly and distributing granules uniformly.

**ENVIRONMENTAL HAZARDS**  
This product is highly toxic to aquatic invertebrates. 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 disposing of equipment washwaters. This chemical demonstrates the properties and characteristics described 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**

**AGRICULTURAL USE REQUIREMENTS**  
Use this product only in accordance with the Worker Protection Standard 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers, farm families, business owners, and traders of agricultural pesticides. It contains requirements to training, decontamination, notification, and emergency assistance. If users conduct specific instructions and exceptions to 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 to enter treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, water, etc.  

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoe plus soles

**Do not formulate this product into other end-use products**

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.

**NON-AGRICULTURAL USE REQUIREMENTS**

This product is not to be applied to areas where it is not within the scope of the Worker Protection Standard for agricultural pesticides.

**APPLICATION TO TURFGRASS**

The use of this product will provide both nutrients as well as providing control of selected insect pests. This product can be used for the control of soil inhabiting pests, such as turfgrass, ornamentals, trees, shrubs, C. immitis, Aphelinidae, C. lundii, Aculops spp., Japanese beetle, Popillia japonica, Datura beetle, Aromatic beetles, Lygus, Cimicidae, Green June beetle, Conurus dilatatus, May or June beetles, Chafer beetles, Maladera castanea, European chaff, Rhizotoma longitarsis, Black turpentine beetle, Lytta vesicatoria, Spodoptera exigua, Sphingidae, Scutellaria spp., This product can be used as a treated on turfgrass in sites such as home lawns, business and office complexes, shopping centers, multifamily residential complexes, golf courses, airports, cemeteries, athletic fields and soil tanks.

The active ingredient in this product has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pest. High rates of control can be achieved when applications are made preceding the egg laying activity. The need to reapply control can be based on historical monitoring at site, previous records or experience, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

Applications should not be made when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically into the soil profile. Applications can not exceed a total of 200 lbs. (0.4 lb. of active ingredient) per acre per year.

**APPLICATION TO ORNAMENTALS**

This product can be used as a broadcast application on ornamentals in commercial and residential landscapes, as well as on landscaped areas of golf courses and other exterior areas. This is a systemic product with the active ingredient being absorbed by the roots and translocated upward within the plant. Optimum control will be achieved when applications are made by sufficient mechanical incorporation, irrigation or rainfall to place the active ingredient into the soil. Application should be made prior to anticipated pest infestation to achieve optimum levels of control.

Applications of this product cannot exceed a total of 200 lbs. (0.4 lb. of active ingredient) per acre per year.

**NOTE: Not for use in commercial greenhouses, or nurseries.**

**APPLICATION RATES**

CHOP	PEST	DOSAGE	ANDERSONS GOLF PRODUCTS FERTILIZER 18-0-18 WITH MERIT INSECTICIDE
Turf Grasses	Amyl bluegrass weevil Billbugs Crane flies	150 to 200 lbs. per acre or 3.5 to 4.5 lbs. per 1,000 sq. ft.	ANDERSONS GOLF PRODUCTS FERTILIZER 18-0-18 WITH MERIT INSECTICIDE
	Larvae of white grubs such as: Aphelinidae Asptic garden beetle Baccharis gall wasps Arenaria European caterpillars		
	Mole crickets Cinnamomum bugs (suppression)		
			For sprayer control, make application prior to egg hatch of the target pest. Be sure to read "APPLICATION EQUIPMENT" Section of this label.

For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets make application within the first week of the peak egg hatch period. When adult or large nymphs are present and active, Andersons Golf Products Fertilizer 18-0-18 with Merit insecticide application should be accompanied by a granular insecticide.

For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets make application within the first week of the peak egg hatch period. When adult or large nymphs are present and active, Andersons Golf Products Fertilizer 18-0-18 with Merit insecticide application should be accompanied by a granular insecticide.

Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.

**NOTE:** For optimum control, irrigation should occur within 24 hours after application to move the active ingredient through the hatch. On golf courses, spray treated areas following application. Do not spray more than 200 lbs. (0.4 lb. of active ingredient) per acre per year. Avoid moving turf or lawn areas until after irrigation or rainfall has occurred so that uniformity of application will not be affected.

**APPLICATION RATES FOR USE ON ORNAMENTALS**

CHOP	PEST	DOSAGE	ANDERSONS GOLF PRODUCTS FERTILIZER 18-0-18 WITH MERIT INSECTICIDE
Landscape Plantings including: Trees, Shrubs, Evergreens, Flowers, Foliage, Pants, Ground Covers	White grub larvae Such as: Japanese beetle larva, chafers, Phytophaga spp., Asian garden beetle, Oriental beetle	3.5 to 4.5 lbs. per 1,000 sq. ft.	

Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier material that will not permit water permeability. Refer to label sections on application equipment and spreader settings.

**NOTE:** For optimum control, mechanical incorporation, irrigation or rainfall should occur within 24 hours after application to move the active ingredient into soil.

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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**USER'S SAFETY/RECOMMENDATION**

- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.



# 18-0-18 with **MERIT® Insecticide**

For fertilization and insect control in turfgrass and landscape ornamentals and sod farms.

Fertilizer with MERIT® Insecticide.

Guaranteed Analysis

Total Nitrogen .....	18.00%
Soluble Potash (K <sub>2</sub> O) .....	18.00%
Total Sulphur (S) .....	7.05%
0.9% Free Sulfur 6.10% Combined Sulfur S	

Plant nutrients derived from urea, potassium sulfate and polymer coated sulfur coated urea.  
 \*9.00% Slowly available nitrogen from polymer coated sulfur coated urea.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info@apco.com>

**ACTIVE INGREDIENT**  
imidacloprid 1-[6-(2-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

**OTHER INGREDIENTS**:.....

0.2% 99.8%  
Total .....  
0.010%  
.....

U.S. Patent No. 5,783,203

EPA Reg. No. 332-1349-3198

EPA Est. No. 9198-OH-2B; 9198-AL-001A

Underlined letter is first letter used in run code on bag

**STOP - READ THE LABEL BEFORE USE.**

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### STOP - READ THE LABEL BEFORE USE.

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

(TO THE USER): If you cannot read or understand English do not use this product until the label has been fully explained to you.

For MEDICAL and TRANSPORTATION Emergencies Call 1-800-331-2367

Note To Physician: No specific antidote is available. Treat the patient symptomatically.

**FIRST AID**

- If swallowed:  
  - Call a poison control center or doctor immediately for treatment advice.
  - Do not induce vomiting unless told to do so by a poison control center or doctor.
  - Do not give anything to mouth of an unconscious person.
- If on skin or clothing:  
  - Take off immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
- If in eyes:  
  - Hold eye open and slowly pour 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**Personal Protective Equipment (PPE):**

**WATER USES:** Applicators and other handlers who handle this product for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural plant uses, as well as in sod farms, must wear:  
 • Long-sleeved shirt and pants.

**Non-Water USES:** Applicators and other handlers who handle this product to any use NOT covered by the Worker Protection Standard (40 CFR part 170) - in general, only agricultural plant uses covered by the WPS, must wear:  
 • Shirt and pants  
 • Gloves  
 • Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions or if unusable, use detergent and hot water. Keep and wash PPE separately from other laundry.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**USER'S SAFETY/RECOMMENDATION**

- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**SPREWER SETTINGS FOR THIS PRODUCT**

The following chart can be used as a guide to establishing an accurate rate of this product. The suggested settings should provide an application rate of 3.5 b/a. or 100 sq. ft. or 150 lb. per acre. Application rates may vary dependent upon speed, equipment wear and condition of spreader. Carefully calibrate all equipment used prior to commercial use of this product.

**SPREADER SETTINGS**

These suggested spreader settings are intended to replace calibration.

**Suggested Spreader Settings**

These suggested spreader settings are intended to replace calibration.

Please calibrate your greater or lesser speed, equipment wear and condition of spreader.

Calibration is required to establish an accurate rate of this product.

50 lbs. treats 14,200 sq. ft. (0.33 acre) at 3.5 b/a. or 100 sq. ft. (0.03 acre) at 150 lb. per acre.

50 lbs. treats 11,100 sq. ft. (0.25 acre) at 200 sq. ft. (0.01 acre) at 100 sq. ft.

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