



Fertilizer 22-3-8 with MERIT[®] Insecticide

Professional Turf[™]
Products

FEATURES & USE TIPS:

- Contains MERIT[®] insecticide, an insecticide that controls many root-feeding insects as listed.
- For fertilization and insect control in turfgrass and landscape ornamentals and sod farms.
- Multiple use rates allow targeting of specific insects.
- High uniformity precision blend for accurate spreading and consistent performance.
- Fifty percent of total nitrogen is derived from NS-52[™] slow release nitrogen.
- New poly packaging.

PRODUCT SPECIFICATIONS:

N (22%): 1.17% Ammoniacal Nitrogen
20.83% Urea Nitrogen*
*11.00% Slowly available nitrogen from polymer coated sulfur coated urea

P - as P₂O₅ (3%): Ammonium Phosphate

K - as K₂O - (8%): Potassium Chloride

S (4.40%): Total Sulfur

Cl (6.70% Max.): Maximum Chlorine

Active Ingredient: Imidacloprid (0.2%)

PRODUCT CODE:

APT221MR5.2

Date: 070805
Supersedes: 000000
Label: A5

PRODUCT CHARACTERISTICS:

Product Type:

Combination fertilizer & MERIT[®] Insecticide

Nitrogen Type:

NS-52[™]

Particle Size:

SGN: 215

Net Weight:

50 lbs.

Coverage:

14,200 sq. ft. @
3.5 lbs./ M rate

Bags/ Pallet:

45

MERIT is a registered trademark of Bayer Corp.; The Andersons logo and NS-52 are trademarks of The Andersons Agriservices, Inc.

To order, contact your local Andersons Golf Products distributor.

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

For fertilization and insect control in turfgrass and landscape ornamentals and sod farms.
Fertilizer with MERIT Insecticide.

Guaranteed Analysis	
Total Nitrogen	22.00%
1.17% Ammoniacal Nitrogen	
20.83% Urea Nitrogen*	
Available Phosphate (P ₂ O ₅)	3.00%
Soluble Potash (K ₂ O)	8.00%
Total Sulfur (S)	4.40%
4.40% Free Sulfur (S)	

Plant nutrients derived from ammonium phosphate, urea, potassium chloride and polymer coated sulfur coated urea.
Chlorine (Cl) Max

	6.70%
*11.00% Slowly available nitrogen from polymer coated sulfur coated urea.	F292

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

ACTIVE INGREDIENTS:

IMIDACLOPRID, 1-[(6-Chloro-3-pyridinyl) methyl]-
N-nitro-2-imidazolidinimine

	0.2%
OTHER Ingredients	99.8%
Total	100.0%

U.S. Patent Nos. 4,742,060 and 5,783,203

EPA Reg. No. 432-1349-9198
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag

MERIT is a registered trademark of Bayer.

**STOP! Read The Label Before Use
KEEP OUT OF REACH OF CHILDREN
CAUTION**

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le hayo sido explicada ampliamente.
(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 **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-800-331-2867

**PRECAUTIONARY STATEMENTS
HAZARDS 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)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
- 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.

User Safety Recommendation:

- 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.

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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.
If in eyes:	<ul style="list-style-type: none"> • 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.

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

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

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 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

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 requirement 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 exceptions 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
- Chemical-resistant gloves made of waterproof material
- Shoes plus socks

Do not formulate this product into other end-use products

APPLICATION TO TURFGRASS:

The use of this product will provide plant nutrients as well as providing control of selected insect pests. This product can be used for the control of soil inhabiting pests of turfgrass, such as Northern and Southern masked chafers, *Cylocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotroqus majalis*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; Billbugs, *Sphenophorus* spp.; Annual bluegrass weevil, *Hyperodes* spp.; Black turfgrass atanius, *Atanius spretulus*; Aphodius spp.; European Crane Fly *Tipula paludosa* and mole crickets, *Scapteriscus* spp. This product can be used as directed on turfgrass in sites such as home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms.

The active ingredient in this product has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, 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 cannot 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 recreational 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 followed 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 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 equipment is working properly and distributing granules uniformly and accurately.

RECOMMENDED APPLICATION RATES		
CROP	PEST	DOSAGE MERIT + TURF FERTILIZER
Turf Grasses	Larvae of: Annual bluegrass weevil Asiatic garden beetle Billbugs Black turfgrass atanius European chafer	European Crane Fly Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp Southern masked chafer
	For optimum control, make application prior to egg hatch of the target pest. Be sure to read "APPLICATION EQUIPMENT" section of this label.	
	Mole Crickets	150 to 200 lbs. per acre or 3.5 to 4.5 lbs. per 1,000 sq. ft.
	For control of mole crickets, make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling. Application should be accompanied by a curative 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 or rainfall should occur within 24 hours after application to move the active ingredient through the thatch. On golf courses, irrigate treated areas following application. Do not apply more than 200 lb. (0.4 lb of active ingredient) per acre per year. Avoid mowing turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.		

RECOMMENDED APPLICATION RATES FOR USE ON ORNAMENTALS		
CROP	PEST	DOSAGE MERIT + TURF FERTILIZER
Landscape plantings Including: Trees, Shrubs, Evergreens, Flowers, Foliage Plants, Ground Covers	White Grub Larvae Such as: Japanese Beetle larvae, Chafers, <i>Phyllophaga</i> spp., Asiatic 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. NOTE: For optimum control, mechanical incorporation, irrigation or rainfall should occur within 24 hours after application to move the active ingredient into soil. Refer to label sections on application equipment and spreader settings.		

SPREADER SETTINGS FOR THIS PRODUCT

The following chart can be used as a guide in establishing an accurate rate of this product. The suggested settings should provide an application rate of 3.5 lb per 1,000 sq.ft. or 150 lb per acre. Application rates will vary dependent upon speed, equipment wear and condition of spreader. Carefully calibrate all equipment used prior to commercial use of this product.

Suggested Spreader Settings Suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product. 50 lbs. feeds 14,200 sq. ft. (0.33 acre) with 0.77 lbs. N/1,000 sq. ft. at the LOW RATE 50 lbs. feeds 11,100 sq. ft. (0.25 acre) with 0.99 lbs. N/1,000 sq. ft. at the HIGH RATE				
	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS	
			LOW RATE 3.5 Lbs./1,000 sq. ft. (0.30 lb. ai/A)	HIGH RATE 4.5 Lbs./1,000 sq. ft. (0.39 lb. ai/A)
Andersons AccuPro 1000; AccuPro 2000, SR-2000 (cone 2)	3 mph	12 feet	M	M 3/4
The Andersons SS-2 Drop	3 mph	overlap wheels	3 3/4	4 1/2
Scotts R-8A (cone 2)	3 mph	11 feet	L 1/2	M 1/2
Lesco Model 020093	3 mph	10 feet	G	G 3/4
Lely Models - WTR, WFR, HR 1250 (PTO at 450 rpm)	4.5 mph	26 feet	4 1/2 III-A	4 3/4 III-A
Vicon (03 Series)	4.5 mph	36 feet	23	25

RESTRICTIONS:

Avoid runoff or puddling of irrigation water following application. Avoid application of this product to areas which are water-logged or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 200 lbs. (0.4 lb. of active ingredient) per acre per year. Do not apply to vegetable gardens.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with handling of this material. In spill or leak incidents, keep unauthorized people away.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

This Product is specially formulated and sold under license from Bayer only for the uses set forth on this label. The active ingredient of this product, formulations containing this active ingredient, and/or methods of making or using this active ingredient or its formulations may be the subject of one or more Bayer patents, including but not limited to U.S. Patent Nos. 4,742,060 and 5,783,203. The purchase and/or use of this product constitutes acceptance of a limited license to use this product only in strict accordance with the instructions set forth on this label. Any use of this product other than as expressly set forth on this label is prohibited and is not licensed through the purchase and/or use of this product and may result in the infringement of one or more Bayer patents and/or other intellectual property rights.

This is a specimen label and may be inaccurate or out of date. It is intended as a guide in providing general information regarding use of this product. Always read and follow the label on the product container.

APT221MR5.2

Distributed by:

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1-800-225-2639

Visit us on the web at: www.andersonsinc.com