



16-0-5

Turf King Fertilizer with 0.069% Bifenthrin

This is a Double Action product with Lawn Food and Bifenthrin Insecticide feeds the lawn and controls listed lawn insects including Ants (including Imported Fire Ants), Mole Crickets, Sod Webworms, Chinch Bugs and other listed Pests. For Lawns, in Landscape areas, around Residential, Commercial, Institutional, Public, and Industrial Buildings, Parks, Recreational Lawns, and Athletic Fields.

For outdoor use only.

ACTIVE INGREDIENT:
Bifenthrin* (CAS # 83322-82657) 0.069%

OTHER INGREDIENTS: 99.931%

TOTAL: 100.00%

*Cis isomers 97% minimum; trans. isomers 3% maximum.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary statements

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® at (866) 897-8050 for emergency medical treatment information.

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions favor drift and runoff from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

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.

DIRECTION FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Apply this product directly to the lawn or garden area. Water treated area as directed on this label. Do not water to the point of run-off.

Do not make applications during the rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

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GUARANTEED ANALYSIS	
Total Nitrogen (N)	16.00%
12.0% Urea Nitrogen	
4.0% CSRUN	
Soluble Potash (K2O)	5.00%
Nutrients derived from: XCU, Urea, Muriate of Potash.	
Information concerning the raw materials composing this product can be obtained by writing to the Guarantor listed on this label, and referring to the batch number found on this container.	
Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm	

Do not allow children or pets to enter the area until dry.

Do not apply more than 580 lbs. per acre (13.3 lbs. per 1,000 square feet), of this product per year. Not for use on turf being grown for sale or other commercial use as sod, or for commercial greenhouses, nurseries, commercial seed production or research purposes.

Apply Turf King Fertilizer with .069% Bifenthrin Insecticide when insects first appear. Apply this product evenly with a properly calibrated drop or rotary spreader over the entire turfgrass area at a rate of 3.33 to 6.66 pounds per 1,000 square feet. A uniform application is most desirable and is best achieved by spreading half of the required amount of products over the area and then applying the remaining half with swaths at a right angle to the first. Irrigate the treated area immediately after application for best results.

For applications at rates above 0.34 lb ai/A (11 lbs of product/1000 ft²), users must water the treated area immediately after application.

Water Protection Statements

Do not spray the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

Do not allow the product to enter any drain during or after application.

Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply or irrigate to the point of runoff.

Wind speed requirement for ornamental/recreational turf applications

Do not apply when the wind speed is greater than 15 mph.

For soil applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in its original container in a cool, dry, locked place out of the reach of children and animals

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Never pour unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: If empty: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Do not rinse unless required for recycling. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

If partly filled: Call your local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain.

NET WT 50 lb (22.7 kg)

EPA Reg. No. 53883-160-47956 • EPA Est. No. 47956-PA-001

LAWN APPLICATION	
Turf King Fertilizer with .069% Bifenthrin Insecticide is intended to prevent and reduce insect entry to homes and businesses. When using this product as directed, apply a <u>7 foot wide band</u> to the lawn areas around and adjacent to the structure. Observe and apply the following application rates.	
<p>Apply 3.33 lbs. per 1,000 sq.ft. Annual Bluegrass, Weevils (Hyperodes Adult) Armyworms, Billbugs (Adult) Black Turfgrass Ataenus (Adult) Cutworms, Mealybugs Sod Webworms</p>	<p>Apply 6.66 lbs. per 1,000 sq.ft **Ants **Centipedes, *Fire Ants **Fleas, Leafhoppers, **Millipedes, **Mole Crickets **Chinch Bugs Ticks and Chiggers</p>

* Turf King Fertilizer with .069% Bifenthrin Insecticide will provide optimum control of Imported Fire Ants if combined with a mound treatment. A broadcast application of the area to be treated will control foraging worker ants and newly mated queens. In addition a mound treatment at the same time will aid in the destruction of the existing colony. For controlling mounds use a registered pesticide labeled for treatment of fire ant mounds.

** The highest rate noted on the application table may be required to control Imported Fire Ants as well as Chiggers, Centipedes, Chinch Bugs, Fleas, Millipedes and other foraging ants.

In New York State this product may not be applied to any grass or turfgrass within 100 ft. of a water body (lake, pond, river, stream, wetland, drainage ditch). In New York State do make single repeat application if there are signs of renewed insect activity, but not sooner than 2 weeks after the first application.

Spreader Settings

Turf King Fertilizer with .069% Bifenthrin Insecticide in the charts represents the setting number for the specific spreader type that will allow the applicator to make the appropriate application rate. (3.33 lbs per/1000 ft² or 6.66 lbs of per/1000 ft²)

Varied conditions will affect the application rates of spreaders; therefore the settings listed below are approximate. Age and conditions of spreader and walking speed can cause variation in application rate. Calibrate your spreader with each application. Close spreader hopper and adjust the setting using the suggested settings chart below. Fill spreader on a hard surface to eliminate the chance of spillage on the lawn. Close spreader hopper when stopping or turning.

Broadcast Spreaders		
Spreader	3.33 lbs per/1000 ft ²	6.66 lbs per/1000 ft ²
Andersons SR2000	L	O
Lesco Numbers	17	23

NOTE: Supplemental applications of lawn fertilizer may be needed to achieve 1 pound nitrogen per 1,000 sq. ft.

The contents of this 50 lb bag feeds up to 15,000 sq.ft.

CONDITIONS OF SALE AND WARRANTY

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. The DIRECTIONS FOR USE of this product 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Andre & Son or the Seller. All such risks shall be assumed by the Buyer.

Andre & Son warrants that this product conforms to the chemical description on the label, and is reasonably fit for the purposes set forth in the DIRECTIONS FOR USE, when it is used in accordance with such directions, subject to the inherent risks mentioned above.

Andre & Son NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY EXTENDS TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNING, OR CAUTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Andre & Son AND THE SELLER OFFER THIS PRODUCT, AND THE BUYER AND USER ACCEPT IT, SUBJECT TO THE FOREGOING CONDITIONS OF SALE AND WARRANTY.



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: 16-0-5 Turf King Fertilizer with .069% Bifenthrin

EPA NO.: 53883-160-047956

RECOMMENDED USE: This Product is a mixed fertilizer/pesticide for turf and landscape use.

SUPPLIER/MANUFACTURER:

Andre and Son, Inc.

17150 State Route 706

Montrose, PA 18801

Tel: (888)-887-3770 (570-278-1131)

turf@andreandson.com

Emergency telephone number: 1-800-858-7378

SECTION 2: HAZARDS IDENTIFICATION

OSHA SIGNAL WORD: Warning

Hazard Statements:

May cause skin irritation. May cause eye irritation. Harmful if inhaled. Harmful if swallowed

PICTOGRAM:



Precautionary Statements: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or repeated skin contact with product may cause allergic reactions in some individuals.

PRECAUTIONARY STATEMENTS FOR HANDLING: See Section 7

Precautionary Statements for disposal – Dispose in accordance with Federal, state, and local laws and regulations.

OTHER HAZARDS: See Section 11 and 12

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Bifenthrin	82657-04-3	.069
Inert Ingredients including:		Balance
Muriate of Potash	7447-40-7	
Urea	57-13-6	
XCU (Urea)	7704-34-9	
Grandol Filler	16389-88-1	

SECTION 4: FIRST AID MEASURES

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.

IF SWALLOWED: Call a poison control center or physician 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 the poison control center or physician. Do not give anything by mouth to an unconscious person.

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.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, Foam, CO₂, dry chemical

FIRE AND EXPLOSION HAZARDS: Pesticide fires have potential to emit hazardous gases such as carbon monoxide, carbon dioxide, hydrogen fluoride, hydrogen chloride, nitrogen oxides, sulfur oxides, acid halides. If product is heated above decomposition temperature, toxic vapours will be released

FIRE-FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

HAZARDOUS DECOMPOSITION PRODUCTS: Can decompose at high temperatures forming toxic gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. May be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash waters.

Notify management of any fertilizer spills. Fertilizer spills should be swept up and/or be shoveled into closed containers for recovery and use or dispose.

DISPOSAL: Recover spills for reuse, or place recovered material in a state of approved landfill or incinerator. Follow Federal, state and local regulations for disposal.

SECTION 7: HANDLING AND STORAGE

Store these products in a cool, dry, well ventilated place away from sources of high heat. Protect bags or other containers from damage. Use personal protective equipment as required. Wash hands after use. Keep bags or other containers closed when not in use. Avoid handling or storage near reactive substances such as strong acids or alkali.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Nuisance Dusts	10 mg/m ³ (inhalable)	15 mg/m ³ (total) 50 mppcf (total) 5 mppcf (respirable)

PERSONAL PROTECTION MEASURES

Respiratory Protection: Dust mask recommended for dusty or misty conditions. NIOSH/MSHA approved respiratory, if required. Respiratory protection must be provided in if required by current local regulations.

Ventilation: Local exhaust ventilation is suggested.

Eye Protection: Safety glasses with sideshields, goggles, or faceshield recommended if eye contact likely.

Skin Protection: Long sleeves, chemical-resistant gloves and coveralls recommended.

General Measures: Thoroughly wash hands after handling. Wash contaminated clothing. When using product, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Appearance:	Granules
Color:	Various colors in mix
Odor:	Slight
Odor Threshold:	No information available
pH:	Not applicable
Melting point/freezing point:	Not applicable
Boiling point / boiling range:	Not applicable
Flash point:	No information available
Evaporation rate:	Not applicable
Flammability (solid, gas):	No information available
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Specific Gravity:	Not applicable
Water solubility:	Partially soluble.
Partition coefficient:	No information available
Auto ignition temperature:	No information available
Decomposition temperature:	No information available
Oxidizing properties:	No information available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Excessive heat (greater than 200 degrees F)
INCOMPATIBILITY:	Strong oxidizers. Strong acids or alkali, or other reactive substances.
HAZARDOUS DECOMPOSITION PRODUCTS:	May emit toxic fumes under fire conditions

SECTION 11: TOXICOLOGICAL INFORMATION

SYMPTOMS: May be irritating to the nose and respiratory tract. Skin irritation may result from repeated or prolonged exposure. May also be irritating to the eyes, causing redness and watering. May irritate the digestive tract if ingested, causing nausea, vomiting and diarrhea.

CARCINOGENICITY: None of the ingredients are known carcinogens. However, the product may contain trace amounts of crystalline silica, which is listed by IARC as potential human carcinogens.

SECTION 12: ECOLOGICAL INFORMATION

Fertilizers may be harmful to aquatic life with short term effects depending on the amount released. The herbicide ingredients are toxic to aquatic plants, fish and invertebrates. Do not apply directly to water, or to areas where surface water is present. Drift and runoff from treated turf may affect aquatic organisms in adjacent bodies of water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater. Application around a well may result in contamination of groundwater or drinking water, particularly where soils are permeable and water table is shallow.

SECTION 13: DISPOSAL CONSIDERATIONS

This material, as supplied is not a hazardous waste. Dispose of in accordance with all national, state, and local regulations. Reuse recovered product where possible.

CONTAMINATED PACKAGING: US Federal: special packaging considerations for pesticide containers. If the container is empty, do not reuse it. Place it in the trash, unless the label specifies a different procedure. Follow all local regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard by the DOT, IATA or IMDG/IMO.

SECTION 15: REGULATORY INFORMATION

This product is not federally regulated as a hazardous material.

SARA TITLE III:

Section 302, Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: Immediate Hazard
Section 313 Toxic Chemicals: None

SECTION 16: REGULATORY INFORMATION

The information contained in this material safety data sheet is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will Andre and Son, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made with respect to information or the product to which this information refers.

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