

# DOCUMENT SCAN CONTROL SHEET

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Document ID 521146

3 FERT BLENDS (19-0-2, 18-0-5, 0-0-3)

EPA Reg # 62719-588-9198

Product Name THE ANDERSONS TURF PRODUCTS FERTILIZER WITH LOCKUP & DICAMBA HERBICIDES (VAR FERT BLEND)

Accepted Date 1/26/2010

Document Type PRILAB

Registration ID 145863







# Fertilizer with LockUp™ & Dicamba Herbicides 18-0-5

- For postemergence control of annual and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, parks, sports fields, sod farms and around commercial buildings and other recreational and commercial turfgrass areas

Active Ingredients:	
penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazol[1,5c] pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.03%
dicamba: 3,6-dichloro-o-anisic acid	0.07%
Other Ingredients	99.90%
Total	100.00%

Acid equivalent: dicamba - 0.07% - 1.5 lb/ton

Guaranteed Analysis	
Total Nitrogen (N)	18.00%
18.00% Urea Nitrogen*	
Soluble Potash (K <sub>2</sub> O)	5.00%
Plant nutrients derived from urea, potassium chloride and polymer coated sulfur coated urea.	
Chlorine (Cl) Max	4.24%
*4.50% slowly available nitrogen from polymer coated sulfur coated urea.	

EPA Reg. No. 62719-588-9198  
 EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A  
 Underlined letter is first letter used in run code on bag.

## Keep Out of Reach of Children CAUTION

**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 elsewhere on the label. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

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

**Precautionary Statements**  
**Hazard to Humans and Domestic Animals**

**Harmful If Inhaled Or If Swallowed • Causes Moderate Eye Irritation.**

**Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wear protective eyewear, long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.**

<p><b>First Aid</b>  <b>If inhaled:</b> 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.  <b>If swallowed:</b> 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.  <b>If in eyes:</b> 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.</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-992-5994 for emergency medical treatment information.</p>
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**Personal Protective Equipment (PPE)**  
**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

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

**Engineering Controls**  
 When handlers use closed systems and enclosed cabs 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 handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 70.240(d) (4-6)].

<p><b>User Safety Recommendations</b>          Users should:</p> <ul style="list-style-type: none"> <li>Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.</li> <li>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.</li> </ul>
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**Environmental Hazards**  
 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 washwater or rinsate.

**Directions for Use**  
 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.

<p><b>Agricultural Use Requirements</b>          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), restricted entry interval, and notification to workers (as applicable). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.</p> <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</p> <p>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:</p> <ul style="list-style-type: none"> <li>Coveralls worn over short-sleeve shirt and short pants</li> <li>Chemical-resistant gloves made of any waterproof material</li> <li>Chemical-resistant footwear plus socks</li> <li>Chemical-resistant headgear for overhead exposure</li> <li>Protective eyewear</li> </ul> <p>Notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.</p>
<p><b>Non-Agricultural Use Requirements</b>          The requirements of 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.</p>
<p><b>Entry Restrictions for Non-WPS Uses:</b> Do not enter or allow others to enter until dusts have settled.</p>
<p><b>Storage and Disposal</b>          Do not contaminate water, food, or feed by storage and disposal.  <b>Pesticide Storage:</b> Store in a cool, dry place in original container.  <b>Pesticide Disposal:</b> Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.  <b>Container Reuse:</b> Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.</p>

**General Information**  
 This product is a stable combination of two herbicides. It provides postemergence control of annual, biennial and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, parks, sports fields, sod farms and around commercial buildings and other recreational and commercial turfgrass areas.

- General Use Precautions and Restrictions**
- Do not apply this product on dichondra, carpetgrass, bahiagrass, or to golf course putting greens or tees, or turfgrass containing desirable clovers.
  - Do not apply this product directly to, or otherwise permit this product to come into contact with, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur.
  - Do not apply to centipedegrass during the period of winter dormancy. Grass should be green and actively growing at application.
  - The active ingredient in this product may leave residues in treated grass clippings which could be harmful to some plants and trees. Do not collect treated grass clippings for use as mulch around plants. The applicator must notify in writing the appropriate residences/individuals of this precaution when this product is applied by a lawn service/commercial applicator.
  - To minimize the potential for turfgrass injury, allow four weeks between applications.
  - Do not water, mow, or disturb treated area for 48 hours after application.
  - Use this product on solid (monoculture) stands of perennial ryegrass or tall fescue at a maximum rate of 75 lb. per acre. Some yellowing of these turfgrasses may occur within two weeks of application. Any discoloration is transitory and will dissipate under adequate growing conditions.
  - Apply this product to newly seeded or sprigged turfgrass only after the third mowing or after the turfgrass seedlings have developed an adequate secondary root system. Reseeding is not recommended for at least three to four weeks after application.
  - Do not apply more than 200 lb. of this product per acre per application.
  - Do not apply more than 300 lb. of this product per acre per year.

- For Florida Applications:**
- For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant" available at <http://edis.ifas.ufl.edu/SS404>, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at <http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glbmp07.pdf>.
  - For application to urban turf (non-agricultural land planted in closely mowed, managed grasses except golf courses, parks and athletic fields), follow "Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries" available at [http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreenBMP\\_Book\\_final.pdf](http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreenBMP_Book_final.pdf).

**Treatment on Turfgrass Species Not Listed on the Label for this product**  
 Users who wish to use this product on turfgrass species not listed on this label may determine the suitability for use by treating a small area at a specified rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. Applications should not be made to turfgrass under stress. The user assumes responsibility for any plant damage or other liability resulting from use of this product on turfgrass species not listed on this label.

**This product is recommended for use on the following established turfgrass species** (numbers in parentheses (-) refer to footnotes below):

Established Cool Season Turfgrass (1)	Scientific Name	Established Warm Season Turfgrass (3)	Scientific Name
Common Name		Common Name	
annual bluegrass	<i>Poa annua</i>	bermudagrass (common or hybrid)	<i>Cynodon dactylon</i>
bluegrass, Kentucky	<i>Poa pratensis</i>	centipedegrass (4)	<i>Eremochola ophiuroides</i>
fescue, chewing	<i>Festuca rubra</i> var. <i>commutata</i>	fescue, tall (growing in warm season areas) (2)	<i>Festuca arundinaceae</i>
fescue, creeping red	<i>Festuca rubra</i>	kikuyugrass	<i>Pennisetum clandestinum</i>
fescue, sheeps	<i>Festuca ovina</i>	St. Augustinegrass	<i>Stenotaphrum secundatum</i>
fescue, tall (2)	<i>Festuca arundinaceae</i>	zoysiagrass	<i>Zoysia japonica</i>
ryegrass, perennial (2)	<i>Lolium perenne</i>	zoysiagrass	<i>Zoysia tenuifolia</i>

- Use no more than 150 lb. of this product (0.045 lb. ai penoxsulam) per acre per application.
- Use this product on these species at a maximum rate of 75 lb. (0.02 lb. ai penoxsulam) per acre per application and only if some injury can be tolerated. A slight yellowing of turfgrass may occur within two weeks of application. The discoloration is transient and is generally gone within four weeks of treatment under adequate growing conditions.
- Use no more than 200 lb. of this product (0.06 lb. ai penoxsulam) per acre per application.
- Do not apply to centipedegrass during the period of winter dormancy. Grass should be green and actively growing at application.

**Weeds Controlled or Suppressed**  
 Generally, application rates at the lower end of the rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds), the higher rate within the rate range or repeat applications will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates or repeat applications to obtain satisfactory control or suppression.

Weeds Controlled or Suppressed		Rate	
		lb/acre	lb/1,000 sq. ft.
chickweed, common chickweed, mouseear clover, hop clover, red clover, white dandelion, common dollarweed English lawn daisy false dandelion	Florida betony ivy, ground lespedeza, common medic, black parsley-piert plantain, broadleaf plantain, buckhorn thistle Virginia buttonweed <sup>1</sup>	75 - 200	1.7 - 4.6
kyllinga, annual and green (suppression only) <sup>1</sup>	nutsedge, purple and yellow (suppression only) <sup>1</sup>	150 - 200	3.4 - 4.6

<sup>1</sup>Re-treatment may be necessary

**Application Directions**  
 Apply this product using a drop or rotary-type spreader designed to apply granules. 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. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or turfgrass injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

To optimize performance, mow the turfgrass two to three days before applying this product. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least 1/2 inch may be needed at least one to two days before application. For optimal results, apply this product in the morning when dew is present. If necessary, sprinkler irrigate with less than 1/4 inch of water just prior to application to maximize particle adherence to leaf surfaces. Avoid watering of treated area within 24 hours of application. Avoid making applications if rainfall is expected for 24 hours following treatment.

- Application Techniques for Applying This Product**
- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
  - A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
  - For treating smaller areas, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
  - A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.

**Spreader Settings as a Guide for Calibration**  
**Note:** These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by The Andersons, Inc. or the spreader manufacturer.

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 75 lbs. product/acre - LOW RATE (1.7 lbs/1,000 sq. ft.)					
50 lbs. treats 14,700 sq. ft. (0.34 acre) at the 150 lbs. product/acre - MEDIUM RATE (3.4 lbs/1,000 sq. ft.)					
50 lbs. treats 10,800 sq. ft. (0.25 acre) at the 200 lbs. product/acre - HIGH RATE (4.6 lbs/1,000 sq. ft.)					
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS		
			LOW RATE	MEDIUM RATE	HIGH RATE
Andersons AccuPro 2000, SR-2000 (cone 7)	3 mph	9 feet	J	K 1/4	L 1/4
Andersons SS-2 Drop	3 mph	overlap wheels	3 1/4	4 1/4	5
Scotts R-8, R-8A (cone 7)	3 mph	9 feet	L 1/4	J 3/4	K 3/4
Lesco 020093 (pattern 0.25)	3 mph	8 feet	D 1/2	E 1/2	F 1/2
Lesco 705698 (pattern 0.25)	3 mph	8 feet	11	13	15
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-B	4.5 mph	36 feet	4	5	5 1/2
Vicon (03 Series)	4.5 mph	28 feet	16	22	27

**Rates and Timing of Application**  
 Apply 75 to 200 lb. of this product per acre (1.7 to 4.6 lb. per 1,000 sq. ft.) to established turfgrass. Possible re-treatment in approximately 30 days may be necessary if turfgrass is heavily infested with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed 300 lb. of this product per acre (6.8 lb. per 1,000 sq. ft.) per year because damage to turfgrass may occur. Do not make more than two applications per season.

**Note:** When applying to warm season turfgrass under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration. It is recommended to reduce application rates by 50% during hot, dry conditions to avoid possible dehydration or browning of turfgrass.

Best weed control results are obtained when this product is applied to small, actively growing weeds in the spring or early fall. Extreme growing conditions such as drought or near freezing temperatures prior to, at, or following time of application may reduce weed control. Broadleaf weed species germinate at different times.

**Terms and Conditions of Use**  
 If 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**  
 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. TO THE EXTENT PERMITTED BY LAW, 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. Plant 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 Seller. All such risks shall be assumed by buyer.

**LIMITATION OF REMEDIES**  
 To the extent permitted by law, 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 Seller's election, one of the following:

- Refund of purchase price paid by buyer or user for product bought, or
- Replacement of amount of product used.

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

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

Distributed By:  
 The Andersons Lawn Fertilizer Division, Inc.  
 P. O. Box 119  
 Maumee, OH 43537  
[www.andersonslawnproducts.com](http://www.andersonslawnproducts.com)

The Andersons logo is a registered trademark of The Andersons, Inc.; LockUp is a trademark of Dow AgroSciences LLC

ACCEPTED  
 FOR REGISTRATION  
 JAN 26 2010

New York State Department  
 of Environmental Conservation  
 Division of Solid & Hazardous Materials  
 Pesticide Product Registration

SGN 145  
 Net Wt. 50 Lbs. (22.68 kg)

Doc ID: 521146



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**APT184LD5**  
 J9 (APTLKPBPNB)





# Fertilizer with LockUp™ & Dicamba Herbicides 0-0-3

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Active Ingredients:	
penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c] pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.03%
dicamba: 3,6-dichloro-o-anisic acid	0.07%
Other Ingredients	99.90%
Total	100.00%

Acid equivalent: dicamba - 0.07% - 1.5 lb/ton

Guaranteed Analysis	
Soluble Potash (K <sub>2</sub> O)	3.00%
Plant nutrients derived from potassium chloride.	
Chlorine (Cl) Max	2.54%
	<b>F292</b>

EPA Reg. No. 62719-588-9198  
 EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A  
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**Harmful If Inhaled Or If Swallowed • Causes Moderate Eye Irritation.**

**Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wear protective eyewear, long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.**

<p><b>First Aid</b>  <b>If inhaled:</b> 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.  <b>If swallowed:</b> 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.  <b>If in eyes:</b> 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.</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-992-5994 for emergency medical treatment information.</p>
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- For Florida Applications:**
- For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant" available at <http://edis.ifas.ufl.edu/SS404>, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at <http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glbmp07.pdf>.
  - For application to urban turf (non-agricultural land planted in closely mowed, managed grasses except golf courses, parks and athletic fields), follow "Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries" available at [http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreenBMP\\_Book\\_final.pdf](http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreenBMP_Book_final.pdf).

**Treatment on Turfgrass Species Not Listed on the Label for this product**  
 Users who wish to use this product on turfgrass species not listed on this label may determine the suitability for use by treating a small area at a specified rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. Applications should not be made to turfgrass under stress. The user assumes responsibility for any plant damage or other liability resulting from use of this product on turfgrass species not listed on this label.

**This product is recommended for use on the following established turfgrass species** (numbers in parentheses (-) refer to footnotes below):

Established Cool Season Turfgrass (1)	Scientific Name	Established Warm Season Turfgrass (3)	Scientific Name
Common Name		Common Name	
annual bluegrass	<i>Poa annua</i>	bermudagrass (common or hybrid)	<i>Cynodon dactylon</i>
bluegrass, Kentucky	<i>Poa pratensis</i>	centipedegrass (4)	<i>Eremochola ophiuroides</i>
fescue, chewing	<i>Festuca rubra</i> var. <i>commutata</i>	fescue, tall (growing in warm season areas) (2)	<i>Festuca arundinaceae</i>
fescue, creeping red	<i>Festuca rubra</i>	kikuyugrass	<i>Pennisetum clandestinum</i>
fescue, sheeps	<i>Festuca ovina</i>	St. Augustinegrass	<i>Stenotaphrum secundatum</i>
fescue, tall (2)	<i>Festuca arundinaceae</i>	zoysiagrass	<i>Zoysia japonica</i>
ryegrass, perennial (2)	<i>Lolium perenne</i>	zoysiagrass	<i>Zoysia tenuifolia</i>

- Use no more than 150 lb. of this product (0.045 lb. ai penoxsulam) per acre per application.
- Use this product on these species at a maximum rate of 75 lb. (0.02 lb. ai penoxsulam) per acre per application and only if some injury can be tolerated. A slight yellowing of turfgrass may occur within two weeks of application. The discoloration is transient and is generally gone within four weeks of treatment under adequate growing conditions.
- Use no more than 200 lb. of this product (0.06 lb. ai penoxsulam) per acre per application.
- Do not apply to centipedegrass during the period of winter dormancy. Grass should be green and actively growing at application.

**Weeds Controlled or Suppressed**  
 Generally, application rates at the lower end of the rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds), the higher rate within the rate range or repeat applications will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates or repeat applications to obtain satisfactory control or suppression.

Weeds Controlled or Suppressed		Rate	
		lb/acre	lb/1,000 sq. ft.
chickweed, common chickweed, mouseear clover, hop clover, red clover, white dandelion, common dollarweed English lawn daisy false dandelion	Florida betony ivy, ground lespedeza, common medic, black parsley-piert plantain, broadleaf plantain, buckhorn thistle Virginia buttonweed <sup>1</sup>	75 - 200	1.7 - 4.6
kyllinga, annual and green (suppression only) <sup>1</sup>	nutsedge, purple and yellow (suppression only) <sup>1</sup>	150 - 200	3.4 - 4.6

<sup>1</sup>Re-treatment may be necessary

**Application Directions**  
 Apply this product using a drop or rotary-type spreader designed to apply granules. 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. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or turfgrass injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

To optimize performance, mow the turfgrass two to three days before applying this product. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least 1/2 inch may be needed at least one to two days before application. For optimal results, apply this product in the morning when dew is present. If necessary, sprinkler irrigate with less than 1/4 inch of water just prior to application to maximize particle adherence to leaf surfaces. Avoid watering of treated area within 24 hours of application. Avoid making applications if rainfall is expected for 24 hours following treatment.

- Application Techniques for Applying This Product**
- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
  - A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
  - For treating smaller areas, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
  - A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.

**Spreader Settings as a Guide for Calibration**  
**Note:** These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by The Andersons, Inc. or the spreader manufacturer.

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 75 lbs. product/acre - LOW RATE (1.7 lbs/1,000 sq. ft.)					
50 lbs. treats 14,700 sq. ft. (0.34 acre) at the 150 lbs. product/acre - MEDIUM RATE (3.4 lbs/1,000 sq. ft.)					
50 lbs. treats 10,800 sq. ft. (0.25 acre) at the 200 lbs. product/acre - HIGH RATE (4.6 lbs/1,000 sq. ft.)					
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS		
			LOW RATE	MEDIUM RATE	HIGH RATE
Andersons AccuPro 2000, SR-2000 (cone 7)	3 mph	9 feet	H 1/2	K	L
Andersons SS-2 Drop	3 mph	overlap wheels	3 1/4	4 1/4	5
Scotts R-8, R-8A (cone 7)	3 mph	9 feet	G 3/4	I 1/2	J 1/2
Lesco 020093 (pattern 0.25)	3 mph	8 feet	C 1/2	E 1/2	F 1/2
Lesco 705698 (pattern 0.25)	3 mph	8 feet	9	13	15
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-A	4.5 mph	26 feet	3	4	4 1/2
Vicon (03 Series)	4.5 mph	22 feet	12	18	22

**Rates and Timing of Application**  
 Apply 75 to 200 lb. of this product per acre (1.7 to 4.6 lb. per 1,000 sq. ft.) to established turfgrass. Possible re-treatment in approximately 30 days may be necessary if turfgrass is heavily infested with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed 300 lb. of this product per acre (6.8 lb. per 1,000 sq. ft.) per year because damage to turfgrass may occur. Do not make more than two applications per season.

**Note:** When applying to warm season turfgrass under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration. It is recommended to reduce application rates by 50% during hot, dry conditions to avoid possible dehydration or browning of turfgrass.

Best weed control results are obtained when this product is applied to small, actively growing weeds in the spring or early fall. Extreme growing conditions such as drought or near freezing temperatures prior to, at, or following time of application may reduce weed control. Broadleaf weed species germinate at different times.

**Terms and Conditions of Use**  
 If 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**  
 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. TO THE EXTENT PERMITTED BY LAW, 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. Plant 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 Seller. All such risks shall be assumed by buyer.

**LIMITATION OF REMEDIES**  
 To the extent permitted by law, 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 Seller's election, one of the following:

- Refund of purchase price paid by buyer or user for product bought, or
- Replacement of amount of product used.

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or 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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 P. O. Box 119  
 Maumee, OH 43537  
[www.andersonslawnproducts.com](http://www.andersonslawnproducts.com)

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SGN 100  
 Net Wt. 50 Lbs. (22.68 kg)



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