

PENDIMETHALIN

Group

K1

HERBICIDE

The Andersons 13-3-7 Fertilizer with ProPendi™ Herbicide

- Contains NS-54™ Polymer Coated Sulfur Coated Urea

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals:** **CAUTION.** May be harmful if swallowed. Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing. Causes moderate eye irritation.

**FIRST AID**  
**If swallowed:** Call a poison control center 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:** 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:** 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 inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

**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 personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.

|  |  |
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| <b>User Safety Recommendations:</b>  |  |
| Users should:  |  |
| <ul style="list-style-type: none"><li>Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li><li>Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</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> |  |

**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 handler PPE requirements may be reduced or modified as specified in the WPS.

**Environmental Hazards:** This pesticide is 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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. In case of spills, either collect for use or dispose of properly.

Non-target organism advisory statement: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

Prevents sprouting of the following grassy and dicot weeds and provides a controlled-release nitrogen feeding:

| Grassy Weeds  |              | Dicot Weeds      |                 |
|---------------|--------------|------------------|-----------------|
| crabgrass     | fall panicum | chickweed        | cutweed         |
| foxtail       |              | oxalis           | hop clover      |
| goosegrass    |              | knotweed         | henbit          |
| Poa annua     |              | prostrate spurge | eveningprimrose |
| barnyardgrass |              | purslane         |                 |

|                           |        |
|---------------------------|--------|
| <b>ACTIVE INGREDIENT:</b> |        |
| Pendimethalin †           | 0.86%  |
| <b>INERT INGREDIENTS:</b> | 99.14% |

†CAS # 40487-42-1

EPA Reg. No. 9198-173  
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A  
Underlined letter is first letter used in run code on bag.

| Guaranteed Analysis  |        |
|--|--------|
| Total Nitrogen (N) .....                                   | 13.00% |
| 11.7% Ammoniacal Nitrogen                                  |        |
| 11.83% Urea Nitrogen*                                      |        |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) ..... | 3.00%  |
| Soluble Potash (K <sub>2</sub> O) .....                    | 7.00%  |

Derived from ammonium phosphate, urea, potassium chloride and polymer coated sulfur coated urea.

|  |       |
|--|-------|
| Chlorine (Cl) Max .....  | 5.92% |
| *5.20% Slowly available urea nitrogen from polymer coated sulfur coated urea |       |
| <b>F002091</b>   |       |

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

**FLORIDA APPLICATIONS:**  
We recommend that you follow the Florida Green Industries BMP's at [http://www.flaes.org/pdf/BMP\\_Book\\_final.pdf](http://www.flaes.org/pdf/BMP_Book_final.pdf)

We recommend that you follow the Florida Golf Course BMP's at <http://www.flaes.org/pdf/gltbmp07.pdf>

Phosphate Notice: This lawn/turf fertilizer contains phosphorus and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorus deficiency. This fertilizer is not for the routine maintenance of turf.

**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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**WEED RESISTANCE MANAGEMENT**  
For resistance management, this product is a Group K1 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group K1 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed. To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group K1 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers mechanical control methods, cultural (e.g. timing to favor the desirable plants and not the weeds), biological (weed-competitive varieties) and other management practices.

- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
  - (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - (2) a spreading patch of non-controlled plants of a particular weed species;
  - (3) surviving plants mixed with controlled individuals of the same species.If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or a mechanical method.
- Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
- Report any incidence of non-performance of this product against a particular weed species to your Andersons retailer, representative or call 1-800-757-8951. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.
- Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your location conditions.

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| <b>AGRICULTURAL USE REQUIREMENTS</b><br>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.<br><br>Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.<br><br>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: Long-sleeved shirt and long pants, chemical resistant gloves, made of waterproof materials, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils and viton ≥ 14 mils, shoes plus socks. |
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| <b>NON-AGRICULTURAL USE REQUIREMENTS</b><br>The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.<br><br>Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dusts have settled. |
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For use on established turfgrasses including bentgrass, bermudagrass, and *Poa annua* (except putting greens and tees), Kentucky bluegrass, perennial ryegrass, fine fescue, tall fescue, St. Augustinegrass, bahiagrass, zoysiagrass, centipedegrass, and blends of the grasses. See “Bermudagrass, Bentgrass and *Poa Annua* Precautions” and “Limitation of Liability” statements.

**Not** for use on bentgrass, *Poa annua* and bermudagrass putting greens and tees, or on dichondra. Where bentgrass, bentgrass-containing turf and *Poa annua* are the desired species, a light rate application only is recommended.

**How/When to Use**  
For control of annual grassy and broadleaf weeds such as crabgrass, goosegrass, foxtail, barnyardgrass, fall panicum, *Poa annua*, oxalis, knotweed, purslane, and prostrate spurge, apply in the spring before they sprout.

To prevent *Poa annua* and fall germinating chickweed, apply product to dry foliage in late summer/early fall (before germination). Repeat application yearly for continued control. A repeat application made after *Poa annua* treatment should not be sooner than 4 months.

Where lower infestations are expected, the lighter rates may be used.

Apply product uniformly to dry foliage at the suggested rate with a properly calibrated spreader. For best results, water after application (1/4 – 1/2 inch) to remove granules from the foliage and to move the product to the soil surface for an effective chemical barrier. Do not destroy the chemical barrier created at the soil surface by raking or aerifying as a segment to application. Allow at least a 4 month space between the applications except when repeat applications are necessary after 6-8 weeks.

Do not mow treated area until product has been watered in and turf foliage has dried.

| TURFGRASS SPECIES   | WEEDS  | RATES   | COMMENTS   |
|---|--|---|--|
| <u>Cool Season Grasses</u><br>Kentucky bluegrass<br>Perennial ryegrass<br>Fine fescue<br>Tall fescue  | crabgrass<br>foxtail<br><i>Poa annua</i><br>barnyardgrass<br>fall panicum<br>oxalis<br>prostrate spurge<br>purslane<br>knotweed<br>chickweed | 175-233 lbs/acre as the initial application prior to weed germination.  | Apply a repeat application of 145-175 lbs/acre after 6-8 weeks for extended control or where heavy weed infestations are expected. |
|   | Goosegrass   | 175-233 lbs/acre in the spring prior to weed germination. Apply a repeat application after 6-8 weeks at 175-203 lbs/acre. |  |
| <u>Bentgrass and established <i>Poa annua</i></u><br>(1/2 inch height or taller. Not for use on greens and tees.)   | crabgrass<br>foxtail<br><i>Poa annua</i><br>barnyardgrass<br>fall panicum<br>oxalis<br>prostrate spurge<br>purslane<br>knotweed<br>chickweed | 175 lbs/acre in the spring prior to weed germination.   | Apply a repeat application of 145-175 lbs /acre after 6-8 weeks where heavy weed infestations are expected.                        |
|   | Goosegrass   | 175 lbs/acre in the spring prior to weed germination with a repeat application of 175 lbs/acre after 6-8 weeks.           |  |
| <u>Warm Season Grasses</u><br>Bermudagrass<br>St. Augustinegrass<br>Bahagrass<br>Zoysiagrass<br>Centipedegrass<br>(401 lbs/acre rate or less)<br>Tall Fescue<br>(Not for use on greens and tees.) | crabgrass<br>foxtail<br><i>Poa annua</i><br>barnyardgrass<br>fall panicum<br>oxalis<br>prostrate spurge<br>purslane<br>knotweed<br>chickweed | 175-233 lbs/acre prior to weed germination.   | Apply a repeat application of 145-175 lbs/acre after 6-8 weeks for extended control or where heavy weed infestations are expected. |
|   | Goosegrass   | 175-233 lbs/acre prior to weed germination.   | Apply a repeat application of 175-233 lbs /acre to extend control of goosegrass or if the lower rate was used initially.           |
|   | Cudweed<br>hopclover<br>eveningprimrose<br>henbit  | 175-233 lbs/acre prior to weed germination.   | Apply a repeat application of 145-203 lbs /acre after 6-8 weeks if the lower rate was was used initially.                          |

**Precautions**  
Do not use on bentgrass, *Poa annua* and bermudagrass putting greens and tees, or on dichondra. Where bentgrass and bentgrass-containing turf and *Poa annua* are the desired species, a light rate application only is recommended.

On cool season turfgrasses avoid applications when temperatures are regularly in the 80's.

This product may cause discoloration and thinning where overapplications have been made if the turfgrass is under severe stress conditions (disease, drought, low temperature - below 40°F, scalping, and excessive soil moisture).

Do not apply to dormant bentgrass and *Poa annua* (turf that is not actively growing or has experienced frost).

When any preemergence herbicide is applied to dormant bermudagrass, green-up may be delayed 2 to 3 weeks in the spring. The delay in green-up may be extensive in low-cut bermudagrass and on sandy soils.

As with most other preemergent herbicides, application of this product to bermudagrass overseeded with cool season turfgrass species may injure and thin the overseeding.

Do not apply to bentgrass or *Poa annua* after late summer.

Avoid application to cement, stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water.

If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5-10 mph) due to its staining potential.

Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

Do not allow dust to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals. Apply only when wind speed is not more than 10 mph.

**Properties of All Dinitroaniline (DNA) Products**  
May cause temporary slowing of turf fill-in and stolon-rhizome rooting where turf has been thinned. Requires a waiting period before seeding or sprigging.

**Seeding or Sprigging Intervals after Treatment**  
Delay reseeding or winter overseeding for at least 3 months and sprigging by 5 months after application. Prior to planting, for best results, the soil surface should be disturbed or worked to dilute any remaining chemical residue.

**Treatment Interval after Seeding or Sprigging**  
On newly planted areas, wait until the grass has been mowed at least 4 times and has filled in before making an application.

**Notes**  
Do not apply more than a cumulative total of 349 lbs. of product/acre (3.0 lbs. active ingredient/acre) per year on bentgrass and *Poa annua*; 698 lbs. of product/acre (6.0 lbs. active ingredi-ent/acre) per year on cool season turfgrass; and 1,046 lbs. of product/acre (9.0 lbs. active ingredient/acre) per year on warm season turfgrasses.

| <b>Suggested Spreader Settings</b><br>To provide proper distribution calibrate spreader before application. Do not adjust rates in order to meet fertilizer requirements of your soil.<br><b>50 lbs. treats 14,900 sq. ft. (0.34 acre) at the 145 lbs. product/acre - LIGHT RATE (3.34 lbs/1,000 sq. ft.)</b><br><b>50 lbs. treats 12,500 sq. ft. (0.29 acre) at the 174 lbs. product/acre - LOW RATE (4.00 lbs/1,000 sq. ft.)</b><br><b>50 lbs. treats 10,700 sq. ft. (0.25 acre) at the 203 lbs. product/acre - MEDIUM RATE (4.67 lbs/1,000 sq. ft.)</b><br><b>50 lbs. treats 9,300 sq. ft. (0.21 acre) at the 233 lbs. product/acre - HIGH RATE (5.34 lbs/1,000 sq. ft.)</b>   |              |                   |                                    |                                  |                                     |                                   |
|---|--------------|-------------------|------------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| SPREADER  | GROUND SPEED | WIDTH OF COVERAGE | SPREADER SETTINGS                  |                                  |                                     |                                   |
|   |              |                   | LIGHT RATE<br>1.25 lbs.<br>ai/acre | LOW RATE<br>1.50 lbs.<br>ai/acre | MEDIUM RATE<br>1.75 lbs.<br>ai/acre | HIGH RATE<br>2.00 lbs.<br>ai/acre |
| Andersons Model 2000 / AccuPro 2000 (cone 4);<br>Andersons 2000 SR / SR-2000 (cone 4)   | 3 mph        | 10 feet           | L                                  | L 1/2                            | M 1/2                               | N 1/2                             |
| Andersons LCO-1000  | 3 mph        | 10 feet           | L                                  | L 1/2                            | M 1/2                               | N 1/2                             |
| Scotts R-8, R-8A (cone 4)   | 3 mph        | 10 feet           | K                                  | K 1/2                            | L 1/2                               | M 1/2                             |
| Lesco 020093 (pattern 0.25)   | 3 mph        | 7 feet            | D 1/2                              | E                                | E 1/2                               | F                                 |
| Lesco 705698 (pattern 0.25)   | 3 mph        | 7 feet            | 11                                 | 12                               | 13                                  | 14                                |
| Lely Models WTR, WFR, HR, 1250<br>(PTO at 450 rpm) Pattern II-C   | 4.5 mph      | 32 feet           | 5 1/2                              | 5 3/4                            | 6 1/2                               | 7                                 |
| Vicon (03 Series)   | 4.5 mph      | 28 feet           | 26                                 | 29                               | 34                                  | 36                                |
| <b>STORAGE AND DISPOSAL</b><br>Do not contaminate water, food or feed by storage or disposal.<br><br><b>PESTICIDE STORAGE:</b> Store in a clean, dry place. Reseal opened bag by folding top down and securing. <b>PESTICIDE DISPOSAL:</b> Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. <b>CONTAINER DISPOSAL:</b> Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. |              |                   |                                    |                                  |                                     |                                   |

**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. To the extent consistent with applicable law, 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. To the extent consistent with applicable law, 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.

Product of U.S.A.

Manufactured by:  
The Andersons, Inc.  
P. O. Box 119, Maumee, OH 43557  
[www.andersonsplantnutrient.com](http://www.andersonsplantnutrient.com)

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Net Wt. 50 Lbs. (22.68 kg)

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