



LEAF LIFE[®]

SLUGGO[®]

SNAIL AND SLUG BAIT

The active ingredient in the product is exempt from the requirement for a tolerance when used as a molluscicide in or on all food commodities.

Can be used around pets and wildlife.

Read Entire Container Label Before Using This Product

ACTIVE INGREDIENT: Iron Phosphate	By Wt. 1.0%
OTHER INGREDIENTS:	99.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15 to 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.

HOTLINE NUMBER

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

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL 1-866-944-8565.

EPA REG. NO. 67702-3-34704

EPA EST. NO. 67702-DEU-2

NET WEIGHT 25 LBS. (11.34 KG)

10/12

LEAF LIFE ® SLUGGO® SNAIL AND SLUG BAIT
EPA REG. NO. 67702-3-34704

GENERAL INFORMATION (WHY SLUG AND SNAIL BAIT IS EFFECTIVE)

This product contains a unique combination of iron phosphate, which is a plant nutrient that occurs in soils, with slug and snail bait additives. The bait which is not ingested by snails and slugs will degrade and become part of the soil.

The bait is ingested by slugs and snails when they travel from their hiding places to plants. Ingestion, even in small amounts, will cause them to cease feeding. This physiological effect of the bait gives immediate protection to the plants even though the slugs and snails may remain in the area. After eating the bait, the slugs and snails cease feeding, become less mobile and begin to die within three to six days. Dead slugs and snails may not be visible as they often crawl away to secluded places to die. Plant protection will be observed in the decrease in plant damage.

This product is effective against a wide variety of slugs and snails and will give protection to home lawns, gardens, greenhouses, outdoor ornamentals, vegetable gardens, fruits, berries, citrus, crop and seed plants. The bait can be scattered on the lawn or on the soil around any vegetable or seed crops, flowers or fruit trees or bushes to be protected.

KILLS SNAILS AND SLUGS
CAN BE USED AROUND DOMESTIC ANIMALS AND WILDLIFE
IRON PHOSPHATE OCCURS IN SOIL
MAY BE USED UP TO AND INCLUDING DAY OF HARVEST

The slugs and snails controlled by this product include (but are not limited to):

Deroceras reticulatum (Field slug), *Deroceras laeve* (Smooth slug), *Arion subfuscus* (Dusky slug), *Arion circumscriptus* (Gray garden slug), *Arion hortensis* (Black field slug), *Arion rufus* (Large red slug), *Arion ater* (Large black slug), *Limax flavus* (Spotted garden slug), *Limax tenellus* (Slender slug), *Ariolimax columbianus* (Banana slug), *Helix* spp., *Helicella* spp., and *Cepaea* spp.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

Personal Protective Equipment (PPE) Requirements

Applicators and other handlers must wear:

- Long-sleeved shirts and long pants and
- Shoes plus socks.

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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.

LEAF LIFE® SLUGGO® SNAIL AND SLUG BAIT
EPA REG. NO. 67702-3-34704

ENVIRONMENTAL HAZARDS

For terrestrial uses. 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.

Do not apply this product in a manner that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency representative responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use the product 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 the 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 the restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

There is a restricted-entry interval of zero hours for this product.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). This WPS applies when the product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

There is a restricted-entry interval of zero hours for this product.

COMMERCIAL AGRICULTURE

HOW TO APPLY: Scatter the slug and snail bait granules on the soil around or near the plants to be protected. For broadcast application, use standard broadcast spreaders. For row application, use standard granular spreaders. Apply the higher rates if the infestation is severe or if the area is heavily watered or after long periods of heavy rain. Reapply as the bait is consumed or at least every two weeks.

Do not place in piles. If the ground is dry, wet it before applying bait. The product works best when soil is moist but with litter or no standing water. See specific directions for different plant types and for inside greenhouses.

WHEN TO APPLY: Apply the bait in the evening, as slugs and snails travel and feed mostly by night or early morning.

WHERE TO APPLY: Treat all likely areas of infestation, especially around the perimeter of garden plots because these pests travel into plant areas from daytime refuge sites. They favor damp places around vegetable plants such as Beans, Cabbage, Celery, Lettuce, Squash and Tomatoes, and in weeds or ditches around field margins. Other favorite areas are flower gardens, rockeries, hedges, dichondra lawns, citrus groves, ivy patches, and other ground cover where they obtain shelter by day.

VEGETABLES

Use the bait to protect any vegetables from slug and snail damage, including (but not limited to): Asparagus, Beans, Beets, Blackeyed peas, Broccoli, Brussels sprouts, Cabbage, Cantaloupe, Carrots, Cauliflower, Corn, Cucumbers, Eggplants, Garlic, Lettuce, Onions, Peas, Peppers, Potatoes, Radishes, Rutabagas, Spinach,

LEAF LIFE® SLUGGO® SNAIL AND SLUG BAIT
EPA REG. NO. 67702-3-34704

Squash, Swiss chard, Tomatoes and Turnips. Scatter the bait around the perimeter of the vegetable plantings at the rate of 20.0 to 44.0 pounds per acre (0.5 to 1.0 pound per 1000 square feet) to provide a protective “barrier” for slugs and snails entering the vegetable plantings. If slugs or snails are inside the rows, then scatter the bait on the soil around the plants and between the rows.

FRUITS (INCLUDING CITRUS)

Use the bait to protect fruits from slugs and snails, including (but not limited to): Apples, Apricots, Avocados, Cherries, Citrus, Grapes, Melons, Nectarines, Peaches, Pears, Plums. For seedlings spread the bait around the base of the stem. Apply at 0.15 ounce or 1.0 level teaspoon, per square yard, in a 6-inch circular band around the base of the plants to be protected. For older trees, spread the bait around the base of the trees to intercept slugs and snails traveling to the trunk. Apply the bait at 20.0 to 44.0 pounds per acre (0.5 to 1.0 pound per 1000 square feet) in orchards, using standard fertilizer granular spreaders. Use the higher rates for heavy infestations.

BERRIES

Use the bait to protect berries from slugs and snails, including (but not limited to): Blackberries, Blueberries, Boysenberries, Loganberries, Raspberries, Strawberries. Spread the bait around the perimeter of the plot to intercept slugs and snails migrating toward the berries. Use a rate of 20.0 to 44.0 pounds per acre (0.5 to 1.0 pound per 1000 square feet) and scatter by hand or with granular spreaders. If slugs and snails are already in the plots, then carefully spread bait between the furrows near the base of the plants. For small plots, treat around the base of the plants to be protected. Do not spread over the entire area but apply selectively.

FIELD CROPS

Use the bait to protect field and seed crops from slugs and snails, including: Asparagus, Beans, Beets, Broccoli, Brussels sprouts, Cabbage, Carrots, Cauliflower, Cucumbers, Field corn, Lettuce, Onions, Peas, Peppers, Potatoes, Radishes, Soybeans, Sugarbeets, Sugar cane, Strawberries, Sweet corn, Tomatoes, and Turnips. At the seedling and later stages, apply the bait between the rows and around the perimeter of the field. Scatter pellets at a rate of 20.0 to 44.0 pounds per acre (0.5 to 1.0 pound per 1000 square feet). Use the higher dosage rate for heavy infestations.

ARTICHOKES

Use the bait to protect Artichokes from slugs and snails. At the seedling and later stages, apply the bait within the rows and around the perimeter of the field. Scatter pellets at a rate of 10.0 to 44.0 pounds per acre (0.23 to 1.0 pound per 1000 square feet). Use the higher dosage rate for heavier infestations.

OUTDOOR ORNAMENTALS

Scatter bait in a 6-inch circular band around the base of the plants to be protected at 0.15 ounce, or 1.0 level teaspoon, per square yard. If plants are next to a grassy area, spread the bait between the ornamentals and the grass. Slugs and snails traveling to the plants will encounter the bait before reaching the plant. In these situations, scatter the bait around the perimeter of the plot at 1.0 pound per 1000 square feet to intercept snails and slugs traveling to the plot.

GREENHOUSES

Where slugs or snails are a problem in greenhouses, scatter the bait in the plant pots of plants being damaged or around pots on greenhouse benches. Apply about 1/2 teaspoon per 9 inch pot.

OUTDOOR CONTAINER-GROWN NURSERY PLANTS

Where slugs or snails are a problem in outdoor nurseries, scatter the bait in the plant containers at the rate of 1.0 tablespoon per container of plants being damaged, or scatter around the soil near the containers at the rate of 1.0 teaspoon per square yard (24.0 to 44.0 pounds per acre).

LEAF LIFE® SLUGGO® SNAIL AND SLUG BAIT
EPA REG. NO. 67702-3-34704

COMMERCIAL TURF, SOD, GOLF COURSES AND GRASS BUFFERS AROUND GARDENS, CROP AREAS AND ORNAMENTALS

Use the bait on turf and sod for resale, golf courses and on lawns as a buffer zone around gardens and agricultural crop areas. When slugs or snails are detected, scatter the bait at a rate of 0.54 to 1.0 pound per 1000 square feet (24.0 to 44.0 pounds per acre). Use the higher rate for heavy infestations. Scatter by hand or with a granular spreader where the slugs or snails are observed.

GRASS GROWN FOR SEED PRODUCTION, WHEAT

Use the bait to protect grass grown for seed production and wheat. When slugs or snails are detected, scatter the bait at a rate of approximately 0.23 to 1.0 pound per 1000 square feet (10.0 to 44.0 pounds per acre). Use the higher rate for heavy infestations. Scatter by hand or with a granular spreader where the slugs or snails are observed.

SURROUNDING AGRICULTURAL AREAS SUFFERING INFESTATION

Use the bait to protect non-crop areas, including: fallow land, barrier strips and buffer zones around agricultural crop areas. Apply at a rate of 20.0 to 44.0 pounds per acre (0.5 to 1.0 pound per 1000 square feet). Use the higher rate for heavy infestations.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product in its original container and keep in a secure storage area out of reach of children and domestic animals.

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: Nonrefillable container. Do not reuse or refill this container.

Offer for recycling, if available. Completely empty metal drum, plastic bag, box or plastic tote into application equipment. Then dispose of empty metal drum, plastic bag, box or plastic tote in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

To the extent consistent with applicable law, the seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with the directions for use. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. To the extent consistent with applicable law, seller makes no other warranties, either expressed or implied.

Sold under a license of W. Neudorff GmbH KG, Germany

Leaf Life is a registered trademark of Loveland Products, Inc.

Sluggo is a registered trademark of W. Neudorff GmbH KG www.neudorffpro.com



Made in Germany
FORMULATED FOR
LOVELAND PRODUCTS, INC.
P.O. BOX 1286, GREELEY, COLORADO 80632-1286

MATERIAL SAFETY DATA SHEET

LEAF LIFE® SLUGGO® SNAIL AND SLUG BAIT

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-866-944-8565
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: LEAF LIFE® SLUGGO® SNAIL AND SLUG BAIT
CHEMICAL NAME: Iron Phosphate
CHEMICAL FAMILY: Molluscicide
EPA REG. NO.: 67702-3-34704
MSDS Number: 677023-12-LPI

MSDS Revisions: New

Date of Issue: 11/06/12

Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

This product is a light tan granule with no odor. Primary routes of entry are Inhalation, eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Iron Phosphate	1.00	10045-86-0	not listed
Other ingredients	99.00		

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.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Does not flash.
FLAMMABLE LIMITS (LEL & UEL): Not applicable
EXTINGUISHING MEDIA: Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS: May release oxides of carbon, nitrogen, and phosphorous.
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: No additional information.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Sweep up solid spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
STORAGE: Store in original container and keep in a secure storage area out of reach of children and domestic animals.

Personal Protective Equipment (PPE): Applicators and other handlers must wear: long sleeved shirt and long pants, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: None known.
RESPIRATORY PROTECTION: Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing as dictated by workplace conditions: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

OSHA PEL 8 hr TWA
Not listed

ACGIH TLV-TWA
Not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light tan granules with no odor
SPECIFIC GRAVITY (Water= 1): 0.79 g/ml
VAPOR PRESSURE: not applicable
PERCENT VOLATILE (by volume): not applicable
BULK DENSITY: 49.3 lbs/ft³
BOILING POINT: not applicable
EVAPORATION RATE: not applicable
SOLUBILITY: Insoluble
pH: not applicable
Note: These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Avoid excessive heat, and open flame
INCOMPATIBILITY: Strong bases, oxidizers, and acids
Hazardous Decomposition Products: May release oxides of carbon, nitrogen, and phosphorous at high temperatures.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): > 5,000 mg/kg
Eye Irritation (rabbit): Moderate irritant
Inhalation LC₅₀ (rat): Not established.
Carcinogenic Potential: None listed in OSHA, IARC, NTP, or ACGIH.
Acute Dermal LD₅₀ (rabbit): > 5,000 mg/kg
Skin Irritation (rabbit): Not established
Skin Sensitization (guinea pig): Not a sensitizer

12. ECOLOGICAL INFORMATION

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.
CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Completely empty metal drum, plastic bag, box, or plastic tote into application equipment. Then dispose of empty metal drum, plastic bag, box or plastic tote in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT FOR HIGHWAY TRANSPORTATION.
U.S. Surface Freight Classification: INSECTICIDES, INSECT REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS 60)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:**NFPA**

1	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

1	Health
0	Flammability
0	Reactivity
B	PPE

SARA Hazard Notification/Reporting**SARA Title III Hazard Category:**

Immediate

Y

Delayed

N

Fire

N

Reactive

N

Sudden Release of Pressure

N**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed**SARA, Title III, Section 313:** Not listed**RCRA Waste Code:** Not listed**CA Proposition 65:** Not listed

CAUTION – This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

16. OTHER INFORMATION

MSDS STATUS: New**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental Health and Safety*®Leaf Life is a registered trademark of Loveland Products, Inc.**®Sluggo is a registered trademark of W. Neudorff GmbH KG*

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.