PRODIAMINE	GROUP	3	HERBICIDE
CHLORANTRANILIPROLE	GROUP	28	INSECTICIDE

LEBANON ProScape®

Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®

12-0-6

MESA XP®

GUARANTEED ANALYSIS

Total Nitrogen (N) **12%**
2.6% Ammoniacal Nitrogen
2.8% Water Insoluble Nitrogen*
1.4% Urea Nitrogen
5.2% Other Water Soluble Nitrogen*
Soluble Potash (K_2O) **6%**
Sulfur (S) 5.0%

Derived From: Methylene Ureas, Ammonium Sulfate, Urea, Sulfate of Potash
*8.0% Slowly available nitrogen from methylene urea.

0 88685 54088 2

22-54088 F699

SUGGESTED SPREADER SETTINGS					
Spreader	3.44 lbs./1,000 sq. ft.	5.17 lbs./1,000 sq. ft.	Spreader	3.44 lbs./1,000 sq. ft.	5.17 lbs./1,000 sq. ft.
Andersons SR2000	L	N	Lesco (letter/Numeric)	E/12	F/14
Chapin Sure Spread	2.25	3.5	Scotts R-8	K	M
Earthway Rotary	15	17	Spyker Ergo-Pro	2.2	2.9
Precaution: These settings were calibrated and field tested. However, age and condition of spreader, speed of operation and evenness of terrain may require slightly different settings for desired coverage.					

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

For systemic control of white grubs, other listed pests and listed weeds infesting landscape, recreational turfgrass (including golf courses)
Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production or for research purposes.
Not registered for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings, and Queens Counties of New York State.

ACTIVE INGREDIENTS:	By Wt.
Chlorantraniliprole*	0.067%
Prodiamine**	0.670%
Other Ingredients:	99.263%
TOTAL	**100.000%**

EPA Reg. No. 961-429
(L) (D)
EPA Est. No. 961-PA-1; 961-IL-1
Superscript used is first letter of lot number.

* Chlorantraniliprole belongs to the anthranilic diamide chemical class. CAS #500008-45-7
**CAS # 29091-21-2

Acelepryn® and Barricade® are registered trademarks of a Syngenta Group Company.
Acelepryn® and Barricade® are registered trademarks of Syngenta used under license by Lebanon Seaboard Corporation.

KEEP OUT OF REACH OF CHILDREN

CAUTION

READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY ACCORDING TO LABEL INSTRUCTIONS.
Before buying this product, read the Warranty Section elsewhere on this label. If terms are not acceptable, return the unopened container to the place of purchase at once..

Net Weight: 50 LBS. (22.7 kg)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

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, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT

Loaders, applicators and other handlers must wear:
- Long-sleeved shirt and long pants,
- Shoes plus socks.

FIRST AID	
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 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.
Have the product container or label with you when calling a poison control center or Poison Control at **1-800-222-1222**, or doctor, or going for treatment. You may also contact Prosar **(888) 208-1368** for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and highly toxic to other aquatic organisms, including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** apply when/where conditions favor runoff. Runoff from treated turf may adversely affect aquatic organisms in water adjacent to use sites. **DO NOT** contaminate water when disposing of equipment wash waters or rinsate.

Surface Water Advisory:
This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Groundwater Advisory:
This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Non-Target Organism Advisory:
This product is toxic to plants not listed on this label 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.

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.

PRODUCT INFORMATION

This product is a combination product containing Acelepryn® insecticide (active ingredient: chlorantraniliprole), and Barricade® herbicide (active ingredient: prodiamine) which may be applied for the control of white grubs, other listed insect pests, and listed weeds infesting landscape and recreational turfgrass, including golf courses.

This product may be used on established turfgrasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns, commercial lawns, industrial facilities, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, parks, playgrounds, schools, day-care facilities, golf courses (tee box areas, roughs, fairways, collars etc.), athletic fields and other landscaped areas.

WEED RESISTANCE MANAGEMENT

For weed resistance management, this product is a Group 3 herbicide. Any weed population may contain certain or develop plants naturally resistant to **Lebanon ProScape Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®** and other Group 3 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 **Lebanon ProScape Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®** or other Group 3 herbicides within a growing season with different herbicide groups that control the same target weed species. Adopt an integrated weed management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers cultural, biological varieties and other turf management practices. Scout prior to application to identify weed species present and their growth stage to determine if the intended application will be effective.

Scout 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 by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment. If weed 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. Contact your sales representative, pest control advisors, or local extension specialist for additional pesticide resistance management and/or integrated weed management recommendations for specific types of plants and weed biotypes.

INSECT RESISTANCE MANAGEMENT

For insect resistance management, this product is a Group 28 insecticide. Any insect population may contain certain or develop naturally, resistance to **Lebanon ProScape Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®** and other Group 28 insecticides. The resistant individual may dominate the insect population if this group of insecticides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take one or more of the following steps:
Rotate the use of **Lebanon ProScape Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®** or other Group 28 insecticides within a growing season or between growing seasons, with different groups that control the same pests.
Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult your local university or local extension specialist.
Contact your sales representative, pest control advisors, or local extension specialist for additional pesticide resistance management and/or integrated pest management recommendations for specific types of plants, weeds and insects.
Consult your local Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

USE RESTRICTIONS

- **DO NOT** formulate this product into other end-use products.
- **DO NOT** apply this product in commercial nurseries or greenhouses.
- **DO NOT** apply using aerial application.
- **DO NOT** apply more than 225 pounds of product/A (0.15 lbs. chlorantraniliprole/A and 1.5 lbs. of prodiamine/A) per application.
- **DO NOT** apply more than 225 pounds of product/A (0.15 lbs. chlorantraniliprole/A and 1.5 lbs. prodiamine/A) per year in broadcast applications in turfgrass.
- **DO NOT** use clipping from treated turf for mulching around trees or fruit trees.
- **DO NOT** apply to newly set sod until the following year.
- **DO NOT** apply this product on golf course putting greens.
- **DO NOT** apply this product to any putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.
- **DO NOT** apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.
- **DO NOT** apply to lawns and turfgrasses that are not well-established.
- **DO NOT** apply to lawns or turfgrasses that are under stress.
- Keep people and pets off areas treated with this product until dust has settled.

USE PRECAUTIONS

- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- This product must not be applied when the soil is saturated with water because adequate distribution of the active ingredient vertically in the soil profile cannot be achieved under this condition.
- Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- Disturbing the herbicide barrier with cultural practices including disking may result in reduced weed control.
- Apply only to actively growing turf. **DO NOT** exceed 3.2 lbs. of total nitrogen per 1,000 sq. ft. annually.

In **Pennsylvania: DO NOT** exceed 0.9 lbs. of total nitrogen per 1,000 sq. ft. per application

The following restrictions are required to permit use of **Lebanon ProScape Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®** on golf courses in the State of New York:
- Greens, tee boxes: **DO NOT** apply this product within 25 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- Fairways: **DO NOT** apply this product within 50 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- All other use sites: **DO NOT** apply this product within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

APPLICATION EQUIPMENT

Apply this product with drop-type or rotary-type spreader equipment. The application equipment must be properly calibrated according to the manufacturer's directions to ensure uniform coverage over the treated area. During application, check the equipment periodically to confirm that it is working properly and that the granules are being uniformly distributed. A more uniform application can be made by spreading one-half of the specified amount of this product over the turfgrass area and then spreading the remaining one-half of this product at a right angle to the previous application direction.

APPLICATION TIMING

INSECT CONTROL
White Grubs: Apply this product from early April to early September for preventative and early curative control of all of the major white grub species infesting turfgrass. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. The higher rate listed for white grub control in Table 4 may be required in late August or early September when less sensitive mid-instar grubs are present at the time of application. Irrigate turf immediately after application or allow rainfall to move the product into the soil.
Billbugs: Apply this product when overwintered adult billbugs are first observed. This will usually occur in late April or early May in regions with cool-season turfgrasses. An application of this product at this time will also provide white grub control. The higher rates listed in Table 4 may be required for applications made after early May or when billbug species other than bluegrass billbug are present.
European Crane Fly: Apply this product between September and November to control European crane fly larvae in turfgrass. The higher rate listed in Table 4 may be required to achieve control when applications are made in November.
Turf Caterpillars: This product will provide curative caterpillar control in turfgrass. If the area being treated is maintained at a mowing height of greater than one inch, the higher rate listed in Table 4 may be required during periods of high pest pressure.

WEED CONTROL

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses and lawns. The maximum amount of this product that may be applied per year is given for each turfgrass species in the Maximum Annual Rates section of this label.
Most effective weed control in turfgrasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. To help avoid surface water runoff, it is advised that this product be watered in between 2 to 14 days post-application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES



Approximate Date
- After May 30
- After May 10
- After April 20
- After March 20
- January 1 to March 20

Tips for Improved Weed Control
- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

Manufactured by:
Lebanon Seaboard Corporation
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800-233-0628 • (717) 273-1685
Made in the U.S.A.
www.LebanonTurf.com

APPLICATION RATES

WEED CONTROL

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds.

Maximum use rate selection must be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Weed Control Maximum Annual Rates

This product is for use on the turfgrass species listed in the following table. **DO NOT** exceed the maximum yearly rate as given in the following table:

Table 1. Maximum Application Rate Per Calendar Year by Turfgrass Species

Turf Species	Lbs. Product per Acre	Lbs. Product per 1,000 Sq. Ft.	Lbs. A.I. per Acre
Bermudagrass[2], Bahiagrass, Centipedegrass, Seashore Paspalum, St.Augustine, Tall Fescue (including turf-type), Zoysia	225	5.17	Chlorantraniliprole: 0.15 Prodiamine: 1.5
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	150	3.44	Chlorantraniliprole: 0.1 Prodiamine: 1.0
Creeping Red Fescue	112	2.57	Chlorantraniliprole: 0.075 Prodiamine: 0.75
Creeping Bentgrass	75	1.72	Chlorantraniliprole: 0.05 Prodiamine: 0.50

[1] These are the maximum rates per calendar year by species limitations.

[2] May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 75 lbs. product/Acre. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

- **DO NOT** apply more than 225 lbs. of this product per calendar year.
- Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the **Maximum Annual Rates Table.**

Weeds Controlled

When used in accordance with this label this product will provide control of the following weeds:

Table 2. Weeds Controlled

Barnyardgrass	Lambsquarter, Common
Bluegrass, Annual (*Poa annua*)	Lovegrass
Carpetweed	Panicum (Texas, Fall, Browntop)
Chickweed, Common	Pigweed
Chickweed, Mouseear (from seed)	Purslane, Common
Crabgrass (large, smooth)	Pusley, Florida
Crowfootgrass	Rescuegrass[1]
Cupgrass, Woolly	Shepherd's Purse[2]
Foxtails, Annual	Signalgrass, Broadleaf
Henbit	Speedwell, Persian
Itchgrass	Sprangletop
Johnsongrass (from seed)	Spurge, Prostrate
Junglerice	Witchgrass
Knotweed	Woodsorrel, Yellow (from seed)
Kochia	

[1] Suppression only

[2] Applications for this weed should be made in late summer, fall or winter prior to germination.

NOTE:

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates listed for each turf species. All applications must be made prior to germination of the weed seeds.

WHEN TO APPLY AFTER OVERSEEDING TURF

DO NOT apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

Table 3. Best Overseeding/Reseeding Rates and Intervals With Lebanon ProScape Turf Fertilizer with 0.067% Acelepryn® Plus 0.67% Barricade®

RATE Per Acre		Month Before Overseeding		
Lbs. Product	Lbs. A.I.	North	Transition	South
225	Chlorantraniliprole: 0.15 lbs. Prodiamine: 1.5 lbs.	---	---	12 months
150	Chlorantraniliprole: 0.1 lbs. Prodiamine: 1.0 lb.	---	7 months	7 months
112	Chlorantraniliprole: 0.075 lbs. Prodiamine: 0.75 lb.	6 months	5 months	5 months
75	Chlorantraniliprole: 0.05 lbs. Prodiamine: 0.5 lb.	4 months	4 months	4 months

INSECT CONTROL

Follow application rates in Table 4. below when making applications to lawns, golf courses,and other recreation turf grass areas to control listed turf insect pests.

Table 4. Application rates for control of listed insect pests:

Target Pest (Including Listed Weeds)	Lbs. Product per Acre	Lbs. Product per 1,000 Sq. Ft.	Lbs. A.I. /Acre (chlorantraniliprole)	Lbs. A.I. /Acre (prodiamine)
White Grubs (including Aphodius spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	150 - 225 lbs.	3.44 - 5.17 lbs.	0.1 - 0.15 lbs.	1.0 - 1.5 lbs.
Billbugs				
European Crane Fly				
Turf caterpillars (including armyworms, cutworms and sod webworms)				
Annual Bluegrass Weevil	150 - 225 lbs.	3.44 - 5.17 lbs.	0.1 - 0.15 lbs.	1.0 - 1.5 lbs.
Spittlebugs				
Chinch Bugs (suppression)	150 - 225 lbs.	3.44 - 5.17 lbs.	0.1 - 0.15 lbs.	1.0 - 1.5 lbs.

CLEANING APPLICATION EQUIPMENT

Thoroughly clean all application equipment after use to reduce the risk of forming hardened deposits that might become difficult to remove. Thoroughly rinse application equipment with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment.

DO NOT clean equipment near wells, or other water sources. Dispose of waste rinse water in accordance with local regulations.

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 place out of the reach of children and animals.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

WARRANTY

NOTE To the extent consistent with applicable law, the Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.