

8378-11

12-10-81

REC. NO. 78671

1/3

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 8378-11	DATE OF ISSUANCE DEC 10 1981
	TERM OF ISSUANCE Conditional Registration	
	NAME OF PESTICIDE PRODUCT Show's Professional Soilgran Control and Fertilizer	
<b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Knox Fertilizer & Chemical Co., Inc. Rt. #3 Knox, IN 46534		
<b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with the provisions of Section 3(c)(7)(A) of the Act, since you have agreed that you will submit and/or cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
If these conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6(c) of the Act.		
Robert S. Taylor Product Manager (25) Fungicide/Rodenticide Branch Registration Division (13-767C)		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL Robert S. Taylor		DATE 12/10/81

**Shaw's**



ACCEPTED  
DEC 1 0 1981  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 8378-11

**PROFESSIONAL  
PRE-EMERGE  
CRABGRASS CONTROL  
AND FERTILIZER**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .....	18%
1.5% Ammoniacal Nitrogen	
10.5% Urea Nitrogen	
6.0% Coated Slow Release Urea Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) .....	5%
Soluble Potash (K <sub>2</sub> O) .....	9%
Sulfur (S) .....	1.9%

Primary Plant Foods derived from: Diammonium Phosphate, Urea, Murate of Potash, Sulfur Coated Urea. Sulfur derived from Sulfur Coated Urea.

Potential Acidity: 34 lbs. Calcium Carbonate Equivalent per ton.

**ACTIVE INGREDIENTS:** N-butyl-N-ethyl-alpha, alpha, alpha-tri-fluro-2,  
6-dinitro-p-toluidine .....

	0.92%
--	-------

**INERT INGREDIENTS:** .....

	99.08%
<b>TOTAL</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**Statement of Practical Treatment**

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF ON SKIN:** Wash with plenty of soap and water.

**IF INHALED:** Remove victim to fresh air.

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

EPA Establishment No. 8378-IN-1

EPA Registration No. 8378-11

Lot Number

**NET CONTENTS 50 LBS.**

PRE-EMERGE CRABGRASS CONTROL AND FERTILIZER

PRE-EMERGE CRABGRASS CONTROL AND FERTILIZER

**Shaw's**

2/3

NET WEIGHT:  
50 LBS.



Covers 10,000 Sq. Ft.

3/3

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### CAUTION

Harmful if swallowed, inhaled or absorbed through skin.  
Wash thoroughly after handling.

### Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### STORAGE AND DISPOSAL

**STORAGE:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Keep in a dry place.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

**CONTAINER DISPOSAL:** Dispose of bags according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

### READ ALL DIRECTIONS CAREFULLY

**PRECAUTIONS:** Apply Shaw's 18-5-9 with Benefin to the turf prior to the germination of weed grasses, since Shaw's 18-5-9 with Benefin may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 218 pounds per acre (2.0 pounds active ingredient.) Shaw's 18-5-9 with Benefin should not be applied in the spring to turfgrass planted the previous fall. In bermudagrass areas that have been overseeded with winter grasses, a spring application of Shaw's 18-5-9 with Benefin may thin the overseeded grasses. Because of varying cultural practices, Shaw's 18-5-9 with Benefin should not be used on putting greens. Shaw's 18-5-9 with Benefin should not be used on dichondra. Shaw's 18-5-9 with Benefin should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass or centipedegrass until these turfs are well established.

**APPLICATION EQUIPMENT:** Apply Shaw's 18-5-9 with Benefin evenly over the turf area without skips or misses. Follow application rates carefully; do not overlap or over apply. Over application can weaken turfgrass during stress periods allowing fungus or insects to cause damage. Rotary-type spreaders should be used to apply Shaw's 18-5-9 with Benefin. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply when weather conditions favor runoff or drift from the target area.

Shaw's 18-5-9 with Benefin is a pre-emergence herbicide with added growth promoting fertilizer ingredients which is applied to established turf for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass, goosegrass (silver crabgrass or crowfoot), watergrass (barnyardgrass) and yellow and green foxtail.

Shaw's 18-5-9 with Benefin controls these annual weeds by killing their seeds as they germinate. Apply Shaw's 18-5-9 with Benefin before these annual weeds begin to germinate since it does not control established weeds.

When Shaw's 18-5-9 with Benefin is applied as directed, the following established turfgrass are tolerant: perennial ryegrass, centipedegrass, fescue, bermudagrass, St. Augustinegrass, and bahiagrass. Shaw's 18-5-9 with Benefin will not harm nearby established ornamental trees and shrubs. Apply Shaw's 18-5-9 with Benefin to turf before the germination of annual grass weeds. General times of application are discussed below for each type of weed. Precise time of application for a specific area will vary because of climate and individual cultural practices. Consult local agricultural or turf authorities for additional information regarding specific weed germination times in your area.

Any cultural practices that disturb the soil, such as aerification or verticutting should be done prior to applying Shaw's 18-5-9 with Benefin.

**1. Annual bluegrass (*Poa annua*) control:** In areas of heavy infestation of annual bluegrass (*Poa annua*) its elimination will temporarily result in thin turf areas. Proper fertilization and irrigation will encourage the existing turfgrass to fill in these thin areas formerly occupied by annual bluegrass (*Poa annua*).

**2. Northern (cool season) Turfgrasses:** For pre-emergence control apply 50 pounds to 10,000 sq. ft. (2 pounds active ingredient per acre) of Shaw's 18-5-9 with Benefin in late summer to early fall (mid-July to mid-September), or in spring prior to annual bluegrass (*Poa annua*) seed germination.

**3. Crabgrass, goosegrass, watergrass, and foxtail control: Northern (cool season) Turfgrasses:** For pre-emergence control apply 40 to 50 pounds to 10,000 sq. ft. (1.5 to 2 pounds active ingredient per acre) of Shaw's 18-5-9 with Benefin in the spring prior to annual weed grass seed germination. In the Southern half of Ohio, Illinois, and Indiana and all points south, apply 50 pounds to 10,000 sq. ft. (2 pounds active ingredient per acre) in the spring prior to annual weed grass seed germination.

**RESEEDING:** Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying Shaw's 18-5-9 with Benefin.

**NOTE:** Spreader settings are approximate. Check your spreader on 100 sq. ft. and adjust to apply 12 oz. per 100 sq. ft. Rate of walk, moisture and spreader condition can vary the spreader settings necessary to apply the correct amount. When applying with a broadcast type spreader, use extreme caution not to apply too close to desirable plants.

FORMULATED AND PACKED FOR GOLF COURSES,  
PARKS AND INDUSTRIAL TURF CARE

by

KNOX FERTILIZER & CHEMICAL COMPANY, INC.

KNOX, IND. 46534