

8378-40

1/21/2003

1/12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Robert F. Bischoff  
Authorized Agent for Knox Fertilizer Company  
TotalTurf Consulting LLC  
P.O. Box 7928  
Hilton Head, SC 29938

JAN 21 2003

Knox Fertilizer Company  
P.O. Box 248  
Knox, IN 46534

Dear Mr. Bischoff:

Subject: Shaw's Turf Food/Crabgrass Control Barricade® 20  
EPA Reg. No. 8378-38  
Shaw's Turf Food/Crabgrass Control Barricade® 28  
EPA Reg. No. 8378-39  
Shaw's Turf Food/Crabgrass Control Barricade® 38  
EPA Reg. No. 8378-40  
Shaw's Turf Food Crabgrass Control Barricade® 50  
EPA Reg. No. 8378-56  
Applications and Letters Dated December 11, 2002,  
Requesting Amendments To Registrations: To Comply  
with EPA PR-Notice 2001-1 and 2001-6, by Updating First  
Aid Statements and Storage and Disposal Statements,  
Respectively; and To Revise Spreader Setting Tables,  
Revise Crabgrass Seed Germination Dates Sections,  
Amend Container Sizes and Amend Warranty and Liability  
Sections

The propose labels submitted with your applications and letters dated December 11, 2002 have been reviewed and found acceptable as amendments to the registration of the subject pesticide products under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, provided that you:

1. Delete the word "Selective" used to describe these products, on front panels and in text of all labeling.
2. Move the "Application Directions" section to the end of "Directions of Use" and follow the statement: "Apply uniformly with suitable, calibrated application equipment." with a heading: "Spreader Recommendations" and the table of spreaders. Follow the table of spreaders with: "Calibrate your spreader according to the manufacturer's directions. Initial spreader

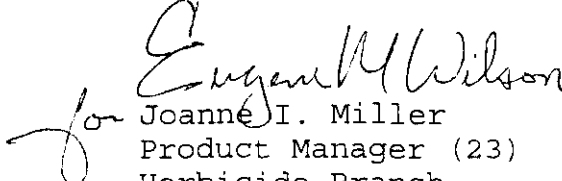
2/12

setting may require adjustment to deliver the recommended Application rate under actual application conditions. Apply this product uniformly over the area to be treated. Avoid streaking, skips and overlaps during application. Calibration of spreader may be needed if conditions of area to be treated changes and rate or speed of application are changed".

3. On all supplemental labeling revise the "Application Directions" section by adding the statement: "See "Spreader Recommendations" section for spreader setting and calibration instructions."
4. Revise the claim under "Tolerant Ornamental Species" that reads: "This product may be applied over the top of these species." by modifying the claim to read: ". . . . ., provided spray residue on shoots of plants is washed to the soil by over the top irrigation or by adequate rain soon after application".
5. Submit one (1) copy of each of the final printed labels prior to your shipment of these pesticide products under the enclosed revised stamped labels.

If these conditions are not complied with, these registrations will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment under these labels constitutes acceptance of these conditions. A stamped copy of each these labels are enclosed for your records.

Sincerely yours,

  
for Joanne I. Miller

Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure (8)

3/12

# Shaw's Turf Food/Crabgrass Control Barricade® 38

For Selective Preemergence Control of Grass and Broadleaf Weeds in Established Turf Grasses, (excluding golf course putting greens) and Lawns - Also for Landscape Ornamentals Including Established Perennials and Wildflower Plantings. (See Supplemental Label).

**ACTIVE INGREDIENT:**

|  |         |
|--|---------|
| Prodimine [N3,N3-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] ..... | 0.38%   |
| INERT INGREDIENTS: .....   | 99.62%  |
| TOTAL  | 100.00% |

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.

Barricade® is a registered trademark of Syngenta

EPA REG. NO. 8378-40

EPA EST. NO. 8378-IN-1

GUARANTEED FERTILIZER ANALYSIS

|  |     |
|--|-----|
| Total Nitrogen (N)   | XX% |
| Available Phosphoric Acid (P2O5)   | XX% |
| Soluble Potash (K2O)   | XX% |
| Ingredients: Ureaformaldehyde, Urea, Sulfur Coated Urea, Ammonium Phosphate, Muriate of Potash |     |

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye injury (irritation). 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. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

### FIRST AID

**If swallowed:** 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 by a poison control center or doctor. No not give anything by mouth to an unconscious person.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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 ambulance, then give artificial respiration, preferably 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 a poison control center, or doctor, or going for treatment.

### ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is toxic to fish. However, at concentrations above the level of water solubility, it may be 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides. **PRODUCT**

**DISPOSAL: IF EMPTY:** Do not reuse this bag. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **If product is spilled, sweep up and use as per label instructions or dispose of as indicated above.**

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a turf fertilizer and a selective pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least  $\frac{1}{2}$  inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown: (1) for sale or other commercial use: (2) for commercial seed production or: (3) for research. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

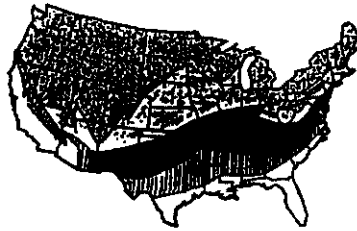
### Application Directions

Apply uniformly with suitable, calibrated application equipment.

### ESTABLISHED TURF

This product is a selective pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least  $\frac{1}{2}$  inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map 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 |

### USE PRECAUTIONS

The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) 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. (3) Do not (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

### Rates of Application

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

5/12

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

| Maximum Application Rate/Calendar Year<br>Of Product by Turf Grass Species <sup>(1)</sup> |                |             |
|---|----------------|-------------|
| Turf Species  | Lbs. Product/A | Lbs. a.i./A |
| Creeping Bentgrass  | 170 lbs.       | 0.65 lb.    |
| Creeping Red Fescue   | 195 lbs.       | 0.75 lb.    |
| Buffalograss  | 265 lbs.       | 1.00 lb.    |
| Kentucky Bluegrass  | "              | "           |
| Perennial Ryegrass  | "              | "           |
| Bermudagrass  | 395 lbs.       | 1.50 lb.    |
| Bahiagrass  | "              | "           |
| Centipedegrass  | "              | "           |
| Seashore Paspalum   | "              | "           |
| St. Augustinegrass  | "              | "           |
| Tall Fescue (including turf type)   | "              | "           |
| Zoysia  | "              | "           |

/A= per acre

(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 137 lbs./A. 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 395 lbs. of this product per calendar year. Use higher rates of 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 section.

**WEEDS CONTROLLED**

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

|                                 |                                 |                                   |
|---------------------------------|---------------------------------|-----------------------------------|
| Barnyardgrass                   | Henbit                          | Purslane, common                  |
| Bluegrass, Annual (Poa Annua)   | Itchgrass                       | Pursley, Florida                  |
| Carpetweed                      | Johnsongrass                    | Rescuegrass <sup>(3)</sup>        |
| Chickweed, Common               | Junglerice                      | Shepherd's Purse <sup>(2)</sup>   |
| Chickweed, Mauseear (from seed) | Knotweed                        | Signalgrass, Broadleaf            |
| Crabgrass (large, smooth)       | Kochia                          | Speedwell, Persian                |
| Crowfoot grass                  | Lambsquarter, common            | Sprangletop                       |
| Cupgrass, Woolly                | Lovegrass                       | Spurge, Prostrate                 |
| Foxtails, Annual                | Panicum (Texas, Fall, Browntop) | Witchgrass                        |
| Goosegrass <sup>(1)</sup>       | Pigweed                         | Woodsorrel, Yellow<br>(from seed) |

(1) In many areas a single application of 170 to 395 lbs/A will control goosegrass. However, under goosegrass pressure and/or on extended growing season, most effective weed control may be obtained by making an initial application of 170 to 265 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates section. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates section. (2) Application for this weed should be made in late summer, fall, or winter prior to germination. (3) Suppression Only. Sequential application may be made as long as the total amount of product applied does not exceed the maximum annual application rates recommended 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.

| Spreader settings for<br>1000 sq. ft. | 170 lbs. Product /A | 195 lbs. Product/A | 265 lbs. Product/A | 395 lbs. Product/A |
|---------------------------------------|---------------------|--------------------|--------------------|--------------------|
| Scott's Evergreen 18"                 | XX                  | XX                 | XX                 | XX                 |
| Scott's Speedy Brdct.                 | XX                  | XX                 | XX                 | XX                 |
| Red Devil Broadcast                   | XX                  | XX                 | XX                 | XX                 |
| Republic EZ Drop 18"                  | XX                  | XX                 | XX                 | XX                 |
| Republic EZ Broadcast                 | XX                  | XX                 | XX                 | XX                 |

6/12

**WHEN TO OVERSEED AFTER APPLICATION**

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

| Product rate lbs./Acre |        | Months Before Overseeding |            |       |
|------------------------|--------|---------------------------|------------|-------|
| Product                | a.i./A | North                     | Transition | South |
| 132                    | 0.50   | 4                         | 4          | 4     |
| 170                    | 0.65   | 5                         | 4          | 4     |
| 195                    | 0.75   | 6                         | 5          | 5     |
| 210                    | 0.80   | -                         | 6          | 6     |
| 265                    | 1.00   | -                         | 7          | 7     |
| 300                    | 1.14   | -                         | -          | 9     |
| 342                    | 1.30   | -                         | -          | 10    |
| 395                    | 1.50   | -                         | -          | 12    |

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. If these terms are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid.

**\*FOR USE ON LANDSCAPE ORNAMENTALS**

(including Established Perennials and Wildflower Plantings). This product may be applied for residual preemergence weed control in ornamental plantings.

FOR COMPLETE DETAILS AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS REFER TO THE SUPPLEMENTAL LABEL FOR USE OF THIS PRODUCT ON LANDSCAPE ORNAMENTALS.

NET WEIGHT XX LBS.  
 KNOX FERTILIZER COMPANY, INC.  
 P.O. BOX 248  
 KNOX, IN 46534

**ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated**

JAN 21 2003

**Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.**

8378-40

7/12

## Supplemental labeling

**Shaw's Turf Food/Crabgrass Control Barricade® 38**

For Selective Preemergence Control of Grass and Broadleaf Weeds in Landscape  
Ornamentals Including Established Perennials and Wildflower Plantings.

## ACTIVE INGREDIENT:

Prodiamine [N3,N3-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] ..... 0.38%

INERT INGREDIENTS: ..... 99.62%

TOTAL 100.00%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.  
Barricade® is a registered trademark of Syngenta

EPA REG. NO. 8378-40

EPA EST. NO. 8378-IN-1

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N)

XX%

Available Phosphoric Acid (P2O5)

XX%

Soluble Potash (K2O)

XX%

Ingredients: Ureaformaldehyde, Urea, Sulfur Coated Urea, Ammonium Phosphate, Muriate of Potash

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye injury (irritation). 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. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

**FIRST AID**

**If swallowed:** 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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 ambulance, then give artificial respiration, preferably 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 a poison control center, or doctor, or going for treatment.

**ENVIRONMENTAL HAZARDS**

This product has low solubility in water. At the limit of solubility, this product is toxic to fish. However, at concentrations above the level of water solubility, it may be 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides. **PRODUCT**

**DISPOSAL: IF EMPTY:** Do not reuse this bag. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **If product is spilled,** sweep up and use as per label instructions or dispose of as indicated above.

8/12

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a turf fertilizer and a selective pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least  $\frac{1}{2}$  inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown: (1) for sale or other commercial use; (2) for commercial seed production or; (3) for research. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

### Application Directions

Apply uniformly through suitable, calibrated, hand held, push or pull type granular spreader application equipment.

### Rates of Application

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. The length of time of residual weed control provided by this product is related to the rate applied.

### WEEDS CONTROLLED

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

|                                 |                                 |                                   |
|---------------------------------|---------------------------------|-----------------------------------|
| Barnyardgrass                   | Henbit                          | Purslane, common                  |
| Bluegrass, Annual (Poa Annua)   | Itchgrass                       | Pursley, Florida                  |
| Carpetweed                      | Johnsongrass                    | Rescuegrass <sup>(3)</sup>        |
| Chickweed, Common               | Junglerice                      | Shepherd's Purse <sup>(2)</sup>   |
| Chickweed, Mauseear (from seed) | Knotweed                        | Signalgrass, Broadleaf            |
| Crabgrass (large, smooth)       | Kochia                          | Speedwell, Persian                |
| Crowfoot grass                  | Lambsquarter, common            | Sprangletop                       |
| Cupgrass, Woolly                | Lovegrass                       | Spurge, Prostrate                 |
| Foxtails, Annual                | Panicum (Texas, Fall, Browntop) | Witchgrass                        |
| Goosegrass <sup>(1)</sup>       | Pigweed                         | Woodsorrel, Yellow<br>(from seed) |

(1) In many areas a single application of 170 to 395 lbs./A will control goosegrass. However, under goosegrass pressure and/or on extended growing season, most effective weed control may be obtained by making an initial application of 170 to 265 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed a total of 395 lbs. per acre, per season. (2) Application for this weed should be made in late summer, fall, or winter prior to germination. (3) Suppression Only. Sequential application may be made as long as the total amount of product applied does not exceed the maximum annual application rate of 395 lbs. pr acre. All applications must be made prior to germination of the weed seeds.

### LANDSCAPE ORNAMENTALS

#### Including Established Perennials and Wildflower Plantings

This product may be applied for residual preemergence weed control in ornamentals.

#### Use Rates

Apply at 3.03 to 9.07 lbs./1,000 sq. ft. (equiv. To 132 to 395 lbs./A) in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 395 lbs./acre.

#### Application Timing and Information

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

#### Established Landscape Ornamentals

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product into the soil.

#### Newly Transplanted Landscape Ornamentals

This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grfts have taken to avoid any inhibition of the tissue union.



Tolerant Ornamental Species

This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the surface. This product may be applied over the top of these species. When plants are under stress (such as heat, drought or frost damage) some cultivars of listed plants may be sensitive to this product.

Scientific NameCommon Name

|                             |   |
|-----------------------------|---|
| Abies spp.                  | Fir species** (Balsam, Fraser, Noble, etc.)     |
| Abelia grandiflora          | Abelia: Sherwood                                |
| Acer palmatum               | Japanese Maple                                  |
| A. platanoides              | Norway maple                                    |
| Achillea, sp.               | Yarrow: King Edward                             |
| Actinidia chinensis         | Kiwi*   |
| Agapanthus africanus        | Lily-of-the-Nile (African Lily)                 |
| Agapanthus orientalis       |   |
| Akebia quintata             | Five-Leaf or Chocolate vine                     |
| Allium cernuum              | Lady's Leek, Nodding Onion                      |
| Anemone hybrida             | Japanese Anemone                                |
| Aquilegia sp.               | Aquilegia; Red and Gold                         |
| Arctostaphylos densiflora   | Vine Hill Manzanita                             |
| Arctotheca calendula        | Cape Weed                                       |
| Artemesia sp.               | Wormwood; Silver Mound, Castle                  |
| Aster sp.                   | Aster: Bonny Blue, Purple Dome                  |
| Aster X Frikartii           |   |
| Athrium Filiz-femina        | Lady Fern; Fern Lady                            |
| Aucuba japonica             | Japanese Aucuba                                 |
| Begonia sp.                 | Fibrous Begonia; Hardy Grandis                  |
| Berberis gladwynensis       | Barberry  |
| B. Julianae                 | Wintergreen Barberry                            |
| B. mentorensis              | Mentor Barberry                                 |
| B. thunbergii               | Japanese Barberry                               |
| B. Verruculosa              | Warty Barberry                                  |
| Bergenia cordifolia         |   |
| Boltonia asteroides         | Snowbank  |
| Bougainvillea spp.          | Bougainvillea                                   |
| Buddleia davidii            | Butterfly-bush (Dwarf Blue); Royal Red          |
| Buxus microphylla           | Japanese Boxwood                                |
| Callistemon viminalis       | Weeping Bottlebrush                             |
| Calluna vulgaris            | Scotch Heather                                  |
| Campanula carpatica         | Tussock Bellflower, (White Clips)               |
| Campis X Tagliabuana        | Trumpet Creeper, Trumpet Flower, Madame Galen   |
| Carpobrotus edulis          | Hottentot Fig (Ice Plant)                       |
| Cassia artemisoides         | Feathery Cassia                                 |
| Ceanothus rigidus           | Wild Lilac                                      |
| Ceratostigma plumbagonoides |   |
| Chamaecyparis pisifera      | False Cypress                                   |
| Chrysanthemum nipponicum    |   |
| Cleyera japonica            | Cleyera   |
| Citrus spp.                 | Citrus species*                                 |
| Coreopsis sp.               | Coreopsis (Calliopsis); Early Sunrise, Moonbeam |
| Cornus florida              | Flowering Dogwood                               |
| C. stolonifera              | American Dogwood                                |
| Cortaderia selloana         | Pampas Grass                                    |
| Cotoneaster apiculatus      | Cranberry Cotoneaster                           |
| C. buxifolius               | Cotoneaster                                     |
| C. dammeri                  | Bearberry Cotoneaster                           |
| C. microphyllus             | Rockspray Cotoneaster                           |
| Cretaegus spp.              | Hawthorne                                       |
| Crococsmia sp.              | Lucifer   |
| Cupressus sempervirens      | Italian Cypress                                 |
| Delosperma alba             | White Trailing Ice Plant                        |
| Delosperma sp.              | Cooperi Pink                                    |

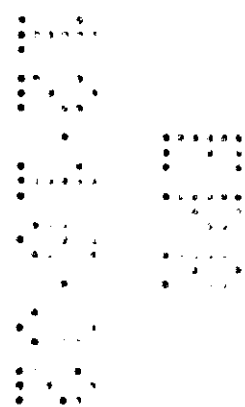
10/12

Scientific Name

Delphinium sp.  
 Dianthus deltoides  
 D. gratianopolitanus  
 Dodonea viscosa  
 Echinacea pupurea  
 Elaeagnus pungens  
 Euonymus fortunei  
 E. japonica  
 E. kiautschovica  
 Fatsia japonica  
 Forsythia intermedia  
 Forsythia suspensa  
 F. viridissima  
 Gaillardia sp.  
 Gardenia jasminoides  
 Gaura sp.  
 Gentiana dahurica  
 Geranium cinereum  
 Gladiolus spp.  
 Gypsophila repens  
 Hedera helix  
 Hellanthenum sp.  
 Hemerocallis sp.  
 Hibiscus  
 Hibiscus sp.  
 Hibiscus rosa-sinensis  
 Hosta plantaginea  
 H. Sieboldiana  
 Houttuynia cordata var. variegata  
 Hydrangea macrophylla  
 Ilex cornuta  
 I. crenata  
 I. opaca  
 I. pernyi  
 I. vomitoria  
 Inula ensifolia  
 Iris ensata  
 Iris siberica  
 Iris spp.  
 Jasminium nudiflorum  
 Juniperus chinensis  
 J. Conferta  
 J. davurica  
 J. horizontalis  
 Juglans sp.  
 Justicia brandegeana  
 Lagerstromia indica  
 Lagerstromia indica X Fauriei  
 Lantana montevidensis  
 Lavender sp.  
 Leontopodium aplinum  
 Ligustrum sinense  
 Ligustrum amurense  
 L. japonicum  
 L. lucidum  
 Lillum sp.  
 Liriope muscari  
 Liriope Muscari var. variegata  
 Liriope spicata  
 Lobelia Cardinalis

Common Name

Larkspur; Blue Elf  
 Dianthus; Maiden Pinks "Zing"  
 Cheddar Pink  
 Hop Bush  
 Coneflower, Purple; Magnus  
 Silverberry  
 Wintercreeper  
 Japanese Spindle Tree (Evergreen Euonymus)  
 Spreading Euonymus  
 Japanese Aralia  
 Border Forsythia  
 Weeping Forsythia  
 Greenstem Forsythia  
 Gaillardia, Blanket Flower: "Goblin"  
 Gardenia, Cape-Jasmine, Radicans  
  
 Gentian  
 Cranesbill  
 Gladiolus species\*\*  
 Baby's Breath  
 English Ivy  
 Sunrose  
 Daylily: Aztec Gold, Stella De Oro, Tender Love  
 Rose of Sharon\*\*  
 Mallow: Disco Belle White  
 Chinese Hibiscus  
 Hosta, Plantain Lily (Fragrant)  
 Hosta, "Searsucker"  
  
 Bigleaf Hydrangea  
 Chinese Holly  
 Japanese Holly; Helli  
 American Holly  
 Holly  
 Yaupon Holly; Schillings  
  
 Sword-Leaved Iris; Jodlesong  
 Siberian Iris; Cabernet  
 Iris species\*\*  
 Winter Jasmine  
 Chinese Juniper; Nick's Compact, Parsonnii  
 Shore Juniper; Blue Pacific  
 Parsoni  
 Creeping Juniper  
 Walnut\*  
 Shrimp Plant  
 Grape Myrtle  
 Grape Myrtle; Tuscarora  
 Weeping Lantana  
 Lavender; Munstead  
 Edelweiss  
 Chinese Privet; Variegata  
 Amur Privet  
 Japanese Privet  
 Glossy Privet (waxleaf)  
 Lily; Jazz  
 Big Blue Lily; Turf; Silver Mound; Evergreen Giant  
 Liriope, Variegated  
 Liriope, Creeping  
 Cardinal Flower, Indian Pink



11/12

Scientific Name

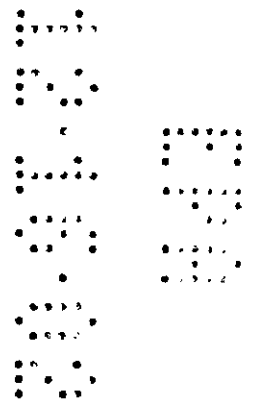
Lonicera japonica  
 L. tatarica  
 Loropetalum chinense  
 Lythrum sp.  
 Magnolia spp.  
 Malephora luteola  
 Malus sp.  
 Miscanthus sinensis  
 Nandina domestica  
 Narcissus spp.  
 Nerium oleander  
 Olea europaea  
 Ophiopogon japonicus  
 Osmanthus heterophyllus  
 Osteopermum fruticosum  
 Oxydendrum arboreum  
 Paeonia suffruticosa  
 Pennisetum setaceum  
 Perovskia atriplicifolia  
 Persea americana  
 Photnia fraseri  
 Physotegia Virginiana  
 Picea spp.  
 Pieris japonica  
 Pinus brutia  
 P. canariensis  
 P. elliotii  
 P. halepensis  
 P. nigra  
 P. palustris  
 P. radiata  
 P. thunbergiana  
 P. strobus  
 P. sylvestris  
 P. taeda  
 P. virginiana  
 Pistachio sp.  
 Pittosporum rhombifolium  
 P. tobira  
 Podocarpus macrophyllus  
 Prunus laurocerasus  
 Prunus sp.  
 Pseudotsuga menziesii  
 Pyracantha coccinea  
 P. fortuneana  
 P. koidzumii  
 Pyrus sp.  
 Quercus shumardii  
 Quercus spp.  
 Raphiolepis indica  
 Raphiolepis umbellata  
 Rhododendron  
 (including Azalea)

Common Name

Japanese Honeysuckle  
 Tatarian Honeysuckle  
 Burgundy  
 Loosestrife; Modern Pink  
 Magnolia species\*\*  
 Ice Plant  
 Crabapple\*  
 Yaku Jima, Silberfeder  
 Heavenly Bamboo  
 Narcissus species\*\*  
 Oleaner  
 Olive\*  
 Mondo Grass  
 Osmanthus ( False Holly): Gulf Tide  
 Trailing African Daisy  
 Sourwood  
 Tree Peony  
 Fountain Grass (Dwarf)  
  
 Avocado\*  
 Frasier's Photinia (Redtip)  
 Dragonhead, False; Vivid  
 Spruce species\*\* (Colorado Blue, Norway, etc.)  
 Lily-of-the-Valley Bush  
 Calabrian Pine  
 Canary Island Pine  
 Slash Pine  
 Aleppo Pine  
 Austrian Pine  
 Longleaf Pine  
 Monterey Pine  
 Japanese Black Pine  
 Eastern White Pine  
 Scotch Pine  
 Loblolly Pine  
 Virginia Pine  
 Pistachio\*  
 Queensland Pittosporum  
 Japanese Pittosporum  
 Japanese Yew  
 English Laurel  
 Almond, Apricot, Nectarine, Peach, Plum and Prune\*  
 Douglas Fir\*\*  
 Firethorn (Scarlet)  
 Firethorn  
 Firethorn  
 Bradford Pear sp.  
 Oak, Shumard's Red  
 Oak species  
 Indian Hawthorne  
 Yedda Hawthorn  
 'Coral Bells'  
 'Delaware Valley White'  
 'Flame Creeper'  
 'Formosa'  
 'Girard Crimson'  
 'George L. Tabor'  
 'Hino-crimson'  
 'PJM'  
 'Roseum Elegans'

12/12

|                           |                                   |
|---------------------------|-----------------------------------|
| Rosa banksiae             | 'Wakeiebisu'                      |
| Rosmarinus officinalis    | 'White Gumbo'                     |
| Rudbeckia sp.             | Lady Bank's Rose                  |
| Santolina, virens         | Rosemary*                         |
| Saxifraga sp.             | Black-eyed Susan; Goldstrum       |
| Scabiosa sp.              | Santolina                         |
| Sedum album               | Saxifrage; Purple Dome            |
| Sedum caudicola           | Pincushion Flower                 |
| Sedum dasycyllum          | Stonecrop                         |
| Sedum spurium             | Stonecrop; Lidakense              |
| Spiraea Bumalda           | Stonecrop                         |
| Syzygium paniculatum      | Stonecrop; Dragon's Blood         |
| Taxus cuspidata           | Spirea: Anthony Waterer           |
| T. media                  | Australian Brushcherry            |
| Teucrium sp.              | Japanese Yew                      |
| Thalictrum dipterocarpum  | Yew                               |
| Thuja occidentalis        | Germander                         |
| Trachelospermum asiaticum | Meadow Rue                        |
| Tsuga canadensis          | American Arborvitae               |
| Tulipa spp.               | Star Jasmine                      |
| Veronicac sp.             | Canada Hemlock                    |
| Viburnum japonicum        | Tulip species                     |
| V. odoratissimum          | Veronica, Speedwell; Sunny Border |
| V. plicatum               | Japanese Viburnum                 |
| V. rigidum                | Sweet Viburnum                    |
| V. suspensum              | Japanese Snowball                 |
| V. tinus                  | Canary Island Viburnum            |
| V. trilobium              | Arrowwood Viburnum                |
| V. wrightii               | Laurustinus                       |
| Vinca major               | Cranberry Bush                    |
| Vinca minor               | Leatherleaf Viburnum              |
| Vitis sp.                 | Greater Periwinkle, Vinca         |
| Weigela florida           | Common Periwinkle, Vinca          |
| Yucca aloifolia           | Grape*                            |
| Y. filamentosa            | Old Fashioned Weigela             |
|                           | Spanish Bayonet, Yucca            |
|                           | Adam's Needle, Yucca              |



\* Do not use on food producing trees, vines or plants.

\*\* Not for use on container grown plants.

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. If these terms are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid.

NET WEIGHT XX POUNDS  
 Knox Fertilizer Company, Inc.  
 P.O. Box 248  
 Knox, IN 46534

**ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated**

**JAN 21 2003**

**Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.**

**8378-40**