Nortron® SC
HERBICIDE
SUSPENSION CONCENTRATE

Net Contents:
2.5 Gallons

BROAD SPECTRUM HERBICIDE
For Selective Control of Weeds in Sugar Beets, Garden Beets, Onions, Shallots (in all states)
and Carrots in (WA and OR only)

GRASS SEED HERBICIDE
For Selective Control of Weeds in Certain Grass Seed Crops and Commercial Sod Production in
California, Idaho, Nevada, Oregon, and Washington

ACTIVE INGREDIENT:
Ethofumesate: (2-ethyl-2,3-dihydro-5,3-dimethyl-4-furoicarnonyl) methanesulfonate) 42%
INERT INGREDIENTS: 58%
TOTAL 100%

This product contains 4.0 lbs. active ingredient per gallon.

EPA Reg. No. 264-613

KEEP OUT OF REACH OF CHILDREN
CAUTION
FOR ADDITIONAL PRECAUTIONARY STATEMENTS:
See inside booklet.

For PRODUCT USE Information Call 1-888-988-BAYER
(1-800-992-2937)
For MEDICAL AND TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-334-7677

Prepared for:
Bayer CropScience LP
P.O. Box 12014, 2 TW Alexander Drive
Research Triangle Park, North Carolina 27709
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Product of United Kingdom
FIRST AID

IF SWALLOWED:
• Immediately call a poison control center or doctor for treatment advice.
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Have person sip a glass of water if able to swallow.
• Do not give anything by mouth to an unconscious person.

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

IF ON SKIN OR CLOTHING:
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.

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

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION
Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT
Applicators and Other Handlers Must Wear:
Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
• Long-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
• Shoes plus socks

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

ENGINEERING CONTROLS STATEMENT
When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.249 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.
USER SAFETY RECOMMENDATIONS

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

ENVIRONMENTAL HAZARDS
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 washwaters.

GENERAL USE PRECAUTIONS
Nortron® SC Herbicide or tank mixes should be used for recommended purposes and at recommended rates only. (DO NOT OVERTREAT.)

Do not graze livestock on treated crops.

Do not apply this product through any type of irrigation system.

If crop is lost due to climatic or soil conditions following application of Nortron® SC or tank mixes, do not plant crops other than sugar beets or ryegrass in treated land during the same season. Do not retreat field with Nortron® SC. If fields are replanted to sugar beets, rinse seed into treated band.

Do not rotate with any crops other than sugar beets or ryegrass for:
- 12 months following preplant incorporated, preemergence, conventional postemergence applications, or split (low rate) applications totaling more than 12 fl. oz. (0.375 lb. a.i./acre);
- 6 months following split (low rate) postemergence applications totaling 12 fl. oz. (0.375 lb. a.i./acre) or less.

Thorough tillage, including moldboard plowing, should precede the planting of crops other than sugar beets or ryegrass. Do not use Nortron® SC on muck or peat soils.

Do not allow spray mixture to stand in tank overnight. Flush and drain spray equipment after each day's use. Store unused spray mixture in tightly-sealed containers and protect from frost.

This label must be in the possession of the user at the time of pesticide application.

STORAGE AND DISPOSAL

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

STORAGE: Protect Nortron® SC Herbicide from freezing temperatures.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law.

If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or reconditioning, if appropriate. Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.
DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read entire Directions for Use and Disclaimer of Warranties before using this product.

SHAKE CONTAINER WELL BEFORE USING.

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

SUGAR BEETS

Nortron® SC is a selective herbicide for use in sugar beets for the control of the weed species listed below. It provides effective control of these weeds for up to 10 weeks following application.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

PRECAUTIONS

Following a preemergence treatment of Nortron® SC Herbicide, do not apply conventional rates of Nortron® SC postemergence where more than 6 pints were applied preplant or preemergence. No more than a total of 1 gallon of Nortron® SC should be applied in a single growing season. See Use Precautions for additional information on proper use.
**WEED SPECIES CONTROLLED**

<table>
<thead>
<tr>
<th>Annual Broadleaf Weeds</th>
<th>Annual Grass Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black nightshade ..................................</td>
<td><em>Solanum nigrum</em></td>
</tr>
<tr>
<td>Common chickweed ...................................</td>
<td><em>Stellaria media</em></td>
</tr>
<tr>
<td>Common lambquarters ................................</td>
<td><em>Chenopodium album</em></td>
</tr>
<tr>
<td>Common purslane ....................................</td>
<td><em>Portulaca oleracea</em></td>
</tr>
<tr>
<td>Kochia ..............................................</td>
<td><em>Kochia scoparia</em></td>
</tr>
<tr>
<td>Ladysthumb ........................................</td>
<td><em>Polygonum persicaria</em></td>
</tr>
<tr>
<td>Pennsylvania smartweed .. <em>Polygonum pennsylvanicum</em></td>
<td></td>
</tr>
<tr>
<td>Redroot pigweed ...................................</td>
<td><em>Amaranthus retroflexus</em></td>
</tr>
<tr>
<td>Russian thistle ....................................</td>
<td><em>Salsola kali var. tenuifolia</em></td>
</tr>
<tr>
<td>Wild buckwheat ....................................</td>
<td><em>Polygonum convolvulua</em></td>
</tr>
</tbody>
</table>

*Control of barnyardgrass may be reduced with the Norton® SC + Pyramin® tank mix because of the lower rate of Norton® SC recommended.*

**Control of wild oats has been inconsistent in Minnesota and North Dakota.**

**Norton® SC alone will also reduce competition from these HARD-TO-CONTROL weeds:**

| Annual Sowthistle ................................ | *Sonnechus oleraceus*                      |
| Puncturevine ....................................... | *Tribulus terrestris*                      |
| Shephardspurse .................................... | *Capsella bursa-pastoris*                  |

Apply tank mixes only in specified regions or States and in accordance with directions on label.

**PREPLANT INCORPORATED AND PREEMERGENCE APPLICATIONS**

**SOIL PREPARATION:** The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of Norton® SC Herbicide and tank mixes. All existing vegetative growth should be thoroughly worked into the soil before treatment.

**SPRAY EQUIPMENT:** Apply Norton® SC Herbicide alone or in tank mixes to the soil using standard low pressure (20 to 50 psi) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to verify that it is functioning properly. Do not use less than 50-mesh strainer. Uniformly apply the recommended rates of Norton® SC or tank mixes in 10 to 60 gallons of water per acre on a broadcast basis. Avoid overlaps since crop injury may result. When applying Norton® SC or tank mixes in a band, check to make certain that the band width is accurate for the dosage rate being applied.

The spray tank and lines should be thoroughly cleaned and rinsed prior to using Norton® SC.

**INCORPORATION EQUIPMENT:** Where soil incorporation is recommended, use a hooded power- or ground-driven rotary tiller, rolling cultivator, or similar equipment properly adjusted to uniformly incorporate Norton® SC Herbicide or tank mixes to a depth of 1 to 2 inches. Deeper incorporation may reduce effectiveness. Do not apply Norton® SC or tank mixes through soil injector shanks. Incorporation should be accomplished prior to planting. If done after planting, proper precautions should be taken to avoid damaging or moving the crop seed. See below for Layering Application.

**LAYERING APPLICATION:** Spring: Form beds with appropriate bedding equipment. Pre-irrigate field if necessary. Remove bed top with suitable de-riding machinery to provide a minimum width of 10” across the top of the bed. Apply Norton® SC Herbicide in a band at the recommended rate indicated in the appropriate regional dosage table and cover the treated band with 1 inch of soil using ditches or discs equipment. Shape the bed with roller shaper and irrigate until the tops of the beds are thoroughly wetted. Irrigate from furrows on both sides of the row.
Fall: This method of application can be used when spring moisture is marginal or where irrigation water is not available at planting time. Fall bedding utilizes the winter-accumulated moisture to enhance activation of the herbicide and to aid in germination of the sugar beet crop.

Prepare the field (as for planting; plow, pack, and float, etc.), in the fall, usually late September or October. Apply Norton® SC in a band to the soil surface at the recommended rate indicated in the appropriate regional dosage table. Be sure that the soil surface to be treated is free of trash and vegetation.

Cover the treated bands with soil or form beds or ridges using discers or discs. In the spring when the soil is sufficiently dry to be worked, de-ridge the beds down to within 1/2" to 1' of the treated layer using suitable equipment such as the Kirchner bedder or Oregon Northslop harrow. When de-riding, maintain the original bedding guidance system by using a bull tongue chisel, slide guides or similar equipment. This will ensure that the planter will follow in the treated band. Plant sugar beets in the de-ridged area when the soil conditions allow.

GENERAL APPLICATION
Sugar beets grown under rainfall: Apply Norton® SC Herbicide alone or in a tank mix preemergence at time of planting or shortly after, but prior to weed germination. Norton® SC or tank mix does not require mechanical soil incorporation provided that sufficient rainfall occurs shortly following application to activate the chemical. One-half inch of rainfall is usually adequate for activation. In areas where rainfall can be marginal for activation, such as the Red River Valley (Minnesota and North Dakota), it is recommended that Norton® SC or the tank mix be applied before or at the time of planting and incorporated into the soil.

Sugar beets grown under furrow irrigation: Apply Norton® SC Herbicide alone or in a tank mix to the soil surface preplant or at time of planting, but prior to weed germination, and incorporate into the soil. Where sugar beets are grown in beds, apply Norton® SC or tank mix after bedding and incorporate. Since Norton® SC or tank mix must have moisture to control weeds effectively, irrigate until tops of beds are thoroughly wetted.

Sugar beets grown under sprinkler irrigation: Apply Norton® SC Herbicide alone or in tank mix preemergence at time of planting or shortly after, and irrigate prior to crop and weed germination. Repeat irrigation as necessary to maintain good moisture in upper soil layer. Apply at least one-half inch of water during first irrigation. Do not mechanically incorporate Norton® SC or tank mix into the soil under sprinkler irrigation.

CULTURAL PRACTICES FOLLOWING APPLICATION: When properly applied, Norton® SC Herbicide alone or in a tank mix will provide up to 10 weeks control of susceptible weed species. When cultivating fields in which Norton® SC or tank mixes have been banded, care should be exercised to minimize the movement of untreated soil into the treated band. Where a broadcast application has been made, do not cultivate deeper than two inches, as this reduces the effectiveness of Norton® SC or tank mixes.
**NORTRON® SC ALONE**

**DOSAGE TABLE 1**
*(All Regions Except North Dakota and Minnesota)*:

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate of Nortron® SC per Acre</th>
<th>Broadcast</th>
<th>22&quot; Row</th>
<th>28&quot; Row</th>
<th>30&quot; Row</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse Textured Soils:</td>
<td></td>
<td>2 1/4 to 3 3/4 Pints</td>
<td>3/4 to 1 1/4 Pints</td>
<td>2/3 to 1 Pint</td>
<td>1/2 to 1 Pint</td>
</tr>
<tr>
<td>Sands, loamy sands and sandy loams</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium Textured Soils:</td>
<td></td>
<td>3 3/4 to 6 Pints</td>
<td>1 1/4 to 2 Pints</td>
<td>1 to 1 1/2 Pints</td>
<td>1 to 1 1/2 Pints</td>
</tr>
<tr>
<td>Silt loams, clay loams which contain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>less than 3% organic matter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Textured Soils:</td>
<td></td>
<td>6 to 7 1/2 Pints</td>
<td>2 to 2 1/2 Pints</td>
<td>1 1/2 to 2 Pints</td>
<td>1 1/2 to 1 3/4 Pints</td>
</tr>
<tr>
<td>Silt loams, clay loams, clays which</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>contain more than 3% organic matter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Use the higher rate within each soil texture category on the finer texture soils and/or where Kochia, barnyardgrass or black nightshade are expected to be a problem.

2 For other band or row widths, adjust the rate in proportion to the area actually treated.

**DOSAGE TABLE 2**
*(North Dakota and Minnesota only)*:

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate of Nortron® SC per Acre</th>
<th>Broadcast</th>
<th>22&quot; Row</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse Textured Soils:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandy loams only</td>
<td></td>
<td>6 Pints</td>
<td>2 Pints</td>
</tr>
<tr>
<td>Medium Textured Soils:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silt loams and clay loams</td>
<td></td>
<td>6 Pints</td>
<td>2 Pints</td>
</tr>
<tr>
<td>Fine Textured Soils:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy clays</td>
<td></td>
<td>7 1/2 Pints</td>
<td>2 1/2 Pints</td>
</tr>
</tbody>
</table>

1 For other band or row widths, adjust the rate in proportion to the area actually treated.

**NORTRON® SC + PYRAMIN® (TANK MIX)**

This tank mix controls these additional broadleaf weeds:
- *Sonchus oleraceus*
- *Brassica nigra*
- *Solanum rostratum*
- *Amsinckia intermedia*
- *Senecio vulgaris*
Common ragweed ........................................ Ambrosia artemisiifolia
Cutleaf nightshade .................................... Solanum triflorum
Ground cherry .......................................... Physalis spp.
Henbit ..................................................... Lamium amplexicaule
Nuttalltfele goosefoot ................................. Chenopodium murale
Prickly lettuce .......................................... Lactuca serriola
Prostrate knotweed .................................... Polygonum aviculare
Shepherdspurse ......................................... Capsella bursa-pastoris

MIXING DIRECTIONS: When mixing Nortron® SC Herbicide in the spray tank with Pyramin, fill the spray tank
with 1/2 of the total amount of water to be used and add Nortron® SC first. Agitate spray solution thoroughly and
continuously. See Pyramin label for additional mixing directions.

CALIFORNIA (winter-grown sugar beets only): Under sprinkler irrigation or where natural rainfall is
adequate, apply this tank mix preemergence. See Pyramin label for precautions regarding application of
sprinkler irrigation. Where furrow irrigation is to be used, apply preplant incorporated. Prepare seeded or
form beds for planting. Then use rotary tiller type of incorporation and incorporate not more than 2 inches deep.
Plant sugar beets and irrigate. Sub-irrigate until tops of beds are thoroughly wilted. Refer to Dosage Table 3 for
recommended rates.

DOSAGE TABLE 3  
(California, winter-grown sugar beets only):

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Nortron® SC/Acre</th>
<th>PYRAMIN DF per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Broadcast</td>
<td>10-Inch Width</td>
</tr>
<tr>
<td></td>
<td>(For calibration</td>
<td>30” Row</td>
</tr>
<tr>
<td></td>
<td>purposes only)</td>
<td></td>
</tr>
<tr>
<td>Coarse Textured Soils:</td>
<td></td>
<td>NOT RECOMMENDED</td>
</tr>
<tr>
<td>Sands, loamy sands and sandy loams</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium Textured Soils:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silt loams, clay loams which</td>
<td></td>
<td></td>
</tr>
<tr>
<td>contain less than 3% organic matter</td>
<td>3 to 3 1/4</td>
<td>1 to 1 1/4</td>
</tr>
<tr>
<td>Pints</td>
<td>30” Row</td>
<td>Pints</td>
</tr>
<tr>
<td>Fine Textured Soils:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clay loams which contain</td>
<td>4 to 5 1/4</td>
<td>1 1/3 to 1 3/4</td>
</tr>
<tr>
<td>more than 3% organic matter and</td>
<td>Pints</td>
<td>Pints</td>
</tr>
<tr>
<td>clays</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1For other band or row widths, adjust rates in proportion to the area actually treated. Do not apply this
mixture broadcast.

2Use the higher rate of Nortron® SC within each soil texture category on the finer-textured soils and/or where
volunteer barley or wheat are expected to be a problem.

PRECAUTIONS: Do not exceed 3/4 inch of sprinkler irrigation per set until the beets have two true leaves. Do not
use the tank mix under conditions where Pyramin alone is not recommended. Before use, read the Pyramin label
for additional information and precautions.
CENTRAL AND EASTERN STATES, INCLUDING MICHIGAN AND OHIO: This tank mix controls the additional weed, common ragweed, and other broadleaf weeds specified in the weed table. Apply preemergence at the time of planting or shortly after, but before weed germination, using recommended rates listed in Dosage Table 4. Do not mechanically incorporate the herbicides into the soil as crop injury may result. Do not use this tank mix where Pyramin alone is not recommended. Before use, read Pyramin label for additional information and precautions.

**DOSAGE TABLE 4**  
(Central and Eastern States Only):

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Norton® SC/Acre</th>
<th>Pyramin FL/Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Broadcast</td>
<td>7-Inch Band Width¹</td>
</tr>
<tr>
<td></td>
<td>22&quot; Row</td>
<td>28&quot; Row</td>
</tr>
<tr>
<td>Coarse Textured Soils:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandy loams only</td>
<td>3 Pints</td>
<td>1 Pint</td>
</tr>
<tr>
<td>Medium Textured Soils:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silt and clay loams which</td>
<td>4 Pints</td>
<td>1 1/4 Pints</td>
</tr>
<tr>
<td>contain less than 3% organic matter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Textured Soils:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clay loams which contain</td>
<td>5 Pints</td>
<td>1 1/2 Pints</td>
</tr>
<tr>
<td>more than 3% organic matter and clays</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹For other band or row widths, adjust the rate in proportion to the area actually treated.

**PREPLANT AND PREEMERGENCE USE PRECAUTIONS**

Norton® SC Herbicide applied alone or in tank mixes according to label directions and under normal growing conditions may cause temporary leaf fusion, distortion and stunting. Crop injury may occur during early growth when crop is stressed due to herbicide residue carryover, highly saline or alkaline soils, unusually cold and wet weather or improperly placed fertilizers or soil insecticides.

Unusually dry, windy weather, which dries the upper soil layer, following application of Norton® SC, may reduce effectiveness.

DO NOT OVERTREAT: The use of higher than recommended rates may cause beet injury and/or carry over problems.

Crop Planting Precautions: If crop is lost due to unfavorable growth conditions following treatment, do not replant with crops other than sugar beets or ryegrass in treated land during the same season. If fields are replanted to sugar beets, reseed into treated band. Do not retreat field with conventional rates of Norton® SC in the same season.

**POSTEMERGENCE APPLICATION GENERAL INFORMATION**

The tank mixes of Norton® SC Herbicide plus Betanix® or Betanox® Herbicides applied postemergence broaden and enhance the control of weeds. The choice of tank mixes is dependent upon weed species present. Norton® SC alone is not recommended for postemergence use.

Tank mixes of Norton® SC plus Betanix® or Betanox® applied postemergence control the following weeds:

**Annual Broadleaf Weeds**
- Annual sowthistle
- Black nightshade
- Hairy nightshade
- Coast fiddleneck

**Annual Sedge Weeds**
- Eleusine indica
- Eleusine indica erecta

**Annual Grass Weeds**
- Agropyron repens
- Amsinikia intermedia (continued)
Common chickweed .............................................................. Stellaria media
Common lambsquarters ....................................................... Chenopodium album
Common ragweed ............................................................. Ambrosia artemisiifolia
Ground cherry ...................................................................... Physalis hirsutifolia
Kochia* ................................................................................. Kochia scoparia
Lady’s thumb .......................................................................... Polygonum persicaria
London rocket ........................................................................ Sisymbrium irio
Nettleleaf gooseneck ............................................................. Chenopodium murale
Pennsylvania smartweed ....................................................... Polygonum pensylvanicum
Prostrate pigweed ................................................................... Amaranthus gracilens
Redroot pigweed .................................................................... Amaranthus retroflexus
Purslane .................................................................................. Portulaca oleracea
Shepherdspurse ...................................................................... Capsella bursa-pastoris
Wild buckwheat ...................................................................... Polygonum convolvulus
Wild mustard ........................................................................... Brassica kaber

*Spray kochia while in the rosette stage, less than one inch in diameter.

Annual Grass Weeds
Annual bluegrass ..................................................................... Poa annua
Carynggrass ............................................................................. Phalaris canariensis

Additionally, a tank mix of Norton® SC plus Betanex® applied postemergence also controls the following annual grass weeds:
Green foxtail ............................................................................. Setaria viridis
Pigeon grass (Yellow foxtail) ........................................................... Setaria glauca

Mixing the Spray: Add Norton® SC to the water in the spray tank followed by Betanex® or Betanex® while agitating the spray solution thoroughly. Refer to the Betanex® or Betanex® labels for additional precautions and information on mixing.

Spray Equipment: Apply the mixture using standard low pressure (20–60 psi) spray equipment. Ensure that the sprayer is thoroughly clean. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Uniformly apply the recommended rate in 20–60 gallons of water per acre on a broadcast basis or 5–10 gallons of water per acre in a band. Avoid overlaps, since crop injury may result. When applying in a band, check to make certain that the band width is accurate for the dosage rate being applied. Do not use strainer smaller than 50–mesh.

Moisture Following Application/Residual Weed Control: Rainfall or sprinkler irrigation within 6 hours of spraying may reduce weed control; however, with conventional rates, moisture after this period of time is advantageous for moving Norton® SC into the top layer of soil where it can be absorbed by the roots of sprayed and germinating weeds to provide optimum control. One-half inch or more of sprinkler irrigation is required to activate Norton® SC on most soil types.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Norton® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

PRECAUTIONS
Following a preemergence treatment of Norton® SC Herbicide, do not apply conventional rates of Norton® SC postemergence where more than 6 plants were applied preplant or preemergence. No more than a total of 1 gallon of Norton® SC should be applied in a single growing season. See Use Precautions for additional information on proper use.
SPLIT (LOW RATE) APPLICATIONS

Split (low rate) applications of Nortron® SC Herbicide + Betamix® or Betanex® Herbicides may be applied to sugar beets to control early germinating weeds (the tank mix of Nortron® SC + Betanex® may be used in all sugar beet areas except California). The first spray must be applied when the earliest emerging weeds have reached cotyledon size. See Dosage Table 5 for broadcast rates. See Dosage Table 6 and 7 for equivalent band rates. For band applications, apply in 5–10 gallons of water per acre. Any weeds which are not completely controlled by the first treatment will usually be checked and controlled by repeat applications. The repeat application should be made 5 to 7 days after the preceding application or when another flush of weeds germinates. If second application is delayed, conventional applications as described below will be necessary.

### DOSAGE TABLE 5
**DOSAGE CHART FOR BROADCAST APPLICATION**

<table>
<thead>
<tr>
<th>Sugar Beet Stage</th>
<th>Pints/Acre Broadcast</th>
<th>NORTRON® SC + BETAMIX®</th>
<th>NORTRON® SC + BETANEX®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cotyledon</td>
<td>0.25 + 1.50</td>
<td>0.25 + 1.50</td>
<td></td>
</tr>
<tr>
<td>2 Leaf</td>
<td>0.33 + 2.00</td>
<td>0.33 + 2.00</td>
<td></td>
</tr>
<tr>
<td>4 Leaf</td>
<td>0.50 + 3.00</td>
<td>0.50 + 3.00</td>
<td></td>
</tr>
</tbody>
</table>

### DOSAGE TABLE 6
**BETAMIX® OR BETANEX® DOSAGE CHART FOR BAND APPLICATION**

<table>
<thead>
<tr>
<th>Broadcast Equivalent</th>
<th>Band Width</th>
<th>22&quot;</th>
<th>28&quot;</th>
<th>30&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 pints/acre</td>
<td>5&quot;</td>
<td>5.5 fl. oz.</td>
<td>4.3 fl. oz.</td>
<td>4.0 fl. oz.</td>
</tr>
<tr>
<td>2.0 pints/acre</td>
<td>5&quot;</td>
<td>7.3 fl. oz.</td>
<td>6.0 fl. oz.</td>
<td>5.6 fl. oz.</td>
</tr>
<tr>
<td>3.0 pints/acre</td>
<td>5&quot;</td>
<td>10.9 fl. oz.</td>
<td>8.6 fl. oz.</td>
<td>8.0 fl. oz.</td>
</tr>
</tbody>
</table>

### DOSAGE TABLE 7
**NORTRON® SC DOSAGE CHART FOR BAND APPLICATION**

<table>
<thead>
<tr>
<th>Broadcast Equivalent</th>
<th>Band Width</th>
<th>22&quot;</th>
<th>28&quot;</th>
<th>30&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25 pints/acre</td>
<td>5&quot;</td>
<td>0.9 fl. oz.</td>
<td>0.7 fl. oz.</td>
<td>0.7 fl. oz.</td>
</tr>
<tr>
<td>0.33 pints/acre</td>
<td>5&quot;</td>
<td>1.2 fl. oz.</td>
<td>0.9 fl. oz.</td>
<td>0.9 fl. oz.</td>
</tr>
<tr>
<td>0.5 pints/acre</td>
<td>5&quot;</td>
<td>1.8 fl. oz.</td>
<td>1.4 fl. oz.</td>
<td>1.3 fl. oz.</td>
</tr>
</tbody>
</table>
CONVENTIONAL APPLICATIONS

Timing of Application: Apply the tank mix Nortron® SC + Betanex® or Nortron® SC + Belamix® when sugar beets have at least 4 fully expanded true leaves. Apply at rates recommended in the Dosage Tables. Use the higher rate of Nortron® SC where increased residual weed control is desired. Where Eptam® has been applied preplant (full or spring applied), do not apply Nortron® SC + Betanex® or Belamix® tank mix before the sugar beets have 6 expanded true leaves.

See Post-emergence Use Precautions for additional information on proper use.

NORTRON® SC + BETANEX® (TANK MIX)
Nortron® SC Herbicide applied post-emergence in a tank mix with Betanex® Herbicide broadens and enhances the control of troublesome weeds. Furthermore, pre-emergence control of susceptible weeds which may germinate following treatment can be obtained provided overhead moisture is sufficient to activate Nortron® SC.

WEED SPECIES CONTROLLED

Group I: Weeds controlled up to the 6-leaf stage.

Redroot pigweed ................. Amaranthus retroflexus
Wild mustard .................... Brassica kaber
Nettleleaf goosefoot .......... Chenopodium murale

Group II: Weeds controlled up to the 4-leaf stage.

Common chickweed .............. Stellaria media
Black nightshade .......... Solanum nigrum
Common ragweed ............. Ambrosia artemisiifolia
Shepherdspurse ............. Capsella bursa-pastoris
Groundcherry ................. Physalis lanceolata
Pennsylvania smartweed ...... Polygonum pensylvanicum
Ladyeuthumb .................. Polygonum persicaria
Prostrate pigweed ............. Amaranthus blitoides
Coast fiddleneck ............. Amsonia intermedia

Group III: Weeds controlled up to the 2-leaf stage.

Annual sowthistle .......... Sontchus oleraceus
Kochia* ......................... Kochia scoparia
Common purslane** .......... Portulaca oleracea
Prostrate knotweed .......... Polygonum aviculare
Wild buckwheat .............. Polygonum convolvulus
Annual bluegrass*** ........ Setaria glauca
Annual bluegrass*** ........... Setaria viridis
Yellow foxtail (pigeongrass)** ..... Poa annua
Canarygrass*** ............... Phalaris canariensis
*Spray kochia while in the rosette stage, less than 1" in diameter.
**Group II weed in California.
***For best control, overhead moisture required.

<table>
<thead>
<tr>
<th>DOSAGE TABLE 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate of Nortron® SC Per Acre</td>
</tr>
<tr>
<td><strong>Broadcast Rate</strong></td>
</tr>
<tr>
<td><strong>2 1/4 - 3</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

1Use the higher rate on larger weeds and sugar beets.
2For other band or row widths, adjust rates in proportion to the area actually treated.
NORTRON® SC + BETANEX® (TANK MIX)

ALL AREAS EXCEPT CALIFORNIA: Norton® SC Herbicide applied postemergence in a tank mix with Betanex® Herbicide broadens and enhances the control of troublesome weeds. Furthermore, preemergence control of susceptible weeds which may germinate following treatment can be obtained provided overhead moisture is sufficient to activate Norton® SC.

WEED SPECIES CONTROLLED

Group I: Weeds controlled up to the 6-leaf stage.

Redroot pigweed .......................... Amaranthus retroflexus
Wild mustard .......................... Brassica kaber
Nettleleaf goosefoot .......................... Chenopodium murale

Group II: Weeds controlled up to the 4-leaf stage.

Common chickweed .......................... Stellaria media
Black nightshade .......................... Solanum nigra
Common ragweed .......................... Ambrosia artimisiifolia
Shepherdspurse .......................... Capsella bursa-pastoris

Group III: Weeds controlled up to the 2-leaf stage.

Annual sowthistle .......................... Sonchus oleraceus
Common purslane .......................... Portulaca oleracea

*Spray Kochia while in the rosette stage, less than 1" in diameter.

DOSAGE TABLE 9
(all areas except California):

<table>
<thead>
<tr>
<th>Rate of Norton® SC Per Acre</th>
<th>Rate of Betanex® Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcast Rate</td>
<td>Band Width (in.)</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>2 1/4 - 3 Pints</td>
<td>7</td>
</tr>
</tbody>
</table>

1 Use the higher rate on larger weeds and sugar beets.
2 For other band or row widths, adjust rates in proportion to the area actually treated.

POSTEMERGENCE USE PRECAUTIONS: Make only one conventional application of Norton® SC + Betanex® or Betamix® tank mix during each growing season. Do not apply Norton® SC + Betanex® or Betamix® tank mix to sugar beets later than 90 days prior to harvest.

Crop Planting Precautions: If crop is lost due to unfavorable growth conditions following treatment, do not replant with crops other than sugar beets or ryegrass in treated land during the same season. If fields are replanted to sugar beets, reseed into treated band. Do not retreat field with conventional rates of Norton® SC in the same season.

NORTRON® SC + BETANEX® OR BETAMIX® MAY CAUSE SUGAR BEET INJURY OR STAND LOSS IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

- Rapid climatic changes from cool, overcast days, to hot (80°F or over), bright days. When the air temperature is, or is likely to be, above 80°F on the day of spraying, application should be made in the evening when the temperature is lower.
• Frost within seven days following treatment
• Windy or drought conditions
• Use of a preplant or preemergence herbicide or other chemicals
• Insect or disease injury
• Close cultivation

If stress conditions are present, delay application until crop has recovered.

DO NOT OVERTREAT: The use of higher-than-recommended rates may cause beet injury and/or carry over problems.

Do not spray while dew is present.

Rainfall or sprinkler irrigation within 6 hours of application may reduce weed kill.

If Nortron® SC is applied on fields with heavy crop residue, such as from a previous corn crop, reduced weed control may occur.

Do not allow spray drift to contact adjacent crops which may be injured by spray drift.

IMPORTANT: This tank mix may cause temporary growth retardation and/or chlorosis or tip-burn on sugar beets. Sugar beets usually resume normal growth within 10 days.

NORTRON® SC MIXTURES WITH FERTILIZERS
NORTRON® SC IMPREGNATION ON DRY BULK FERTILIZERS

Nortron® SC Herbicide may be impregnated on many dry bulk fertilizers (See “I” below) and applied and incorporated into the soil before planting for the control of labeled grasses and broadleaf weeds in sugar beets.

All Nortron® SC label and supplementary literature instructions and precautions regarding rates per acre, soil type and soil incorporation, application, and other directions must be followed.

All individual State regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the Nortron®/fertilizer mixtures.

A minimum of 200 pounds and a maximum of 700 pounds of approved fertilizer ingredients (See “I” below) impregnated with the appropriate amount of Nortron® SC must be applied per acre.

For impregnating the pesticides on dry fertilizers, use a closed rotary-drum type mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer. The Nortron® SC should be sprayed uniformly onto the fertilizer using a fine spray pattern.

The physical properties of fertilizers vary, particularly in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with Nortron® SC provides a satisfactory dry mixture.

If the absorptivity is not adequate, use of a highly absorptive powder is required to provide a dry, free-flowing mixture. Microcel E (Johns-Manville Products Corporation) is the recommended absorbent powder. It should be added separately and uniformly to the prepared pesticide/fertilizer mixture in a quantity that is sufficient to provide a suitably free-flowing mixture. Generally, less than 2% by weight of Microcel E is required.

The amount of Nortron® SC actually required in the formulation of specific fertilizer mixtures should be calibrated carefully for each production operation. This is necessary to ensure that the amount of Nortron® SC actually contained in the fertilizer mixture applied to the soil represents the correct dosage rate.

Bulk fertilizers impregnated with Nortron® SC should be applied immediately, NOT STORED.
NORTRON® SC IMPREGNATION ON DRY BULK FERTILIZERS

1. Approved dry fertilizer ingredients for use with Nortron® SC:

<table>
<thead>
<tr>
<th></th>
<th>N</th>
<th>P</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate</td>
<td>34</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ammonium sulfate</td>
<td>21</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ammonium phosphate-sulfate</td>
<td>16</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Diammonium phosphate</td>
<td>18</td>
<td>46</td>
<td>0</td>
</tr>
<tr>
<td>Monoammonium phosphate</td>
<td>11</td>
<td>56</td>
<td>0</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>0</td>
<td>0</td>
<td>60</td>
</tr>
<tr>
<td>Potassium sulfate</td>
<td>0</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>Single superphosphate</td>
<td>0</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Triple superphosphate</td>
<td>0</td>
<td>46</td>
<td>0</td>
</tr>
<tr>
<td>Urea</td>
<td>45</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Nortron® SC Physical Data

Density 1.14 g/cm³
Pounds/gallon 9.50
Flashpoint Noncombustible

2. Rate Chart for the Impregnation of Dry Bulk Fertilizers with Nortron® SC:

<table>
<thead>
<tr>
<th>Fertilizer Rate lb/acre</th>
<th>Impregnation Rate 0.75 gal/acre</th>
<th>Impregnation Rate 1 gal/acre</th>
<th>Impregnation Rate 1.50 gal/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>2.60</td>
<td>3.75</td>
<td>5.63</td>
</tr>
<tr>
<td>250</td>
<td>2.25</td>
<td>3.00</td>
<td>4.50</td>
</tr>
<tr>
<td>300</td>
<td>1.88</td>
<td>2.50</td>
<td>3.75</td>
</tr>
<tr>
<td>350</td>
<td>1.59</td>
<td>2.16</td>
<td>3.19</td>
</tr>
<tr>
<td>400</td>
<td>1.41</td>
<td>1.88</td>
<td>2.81</td>
</tr>
<tr>
<td>450</td>
<td>1.25</td>
<td>1.69</td>
<td>2.50</td>
</tr>
<tr>
<td>500</td>
<td>1.13</td>
<td>1.50</td>
<td>2.25</td>
</tr>
<tr>
<td>550</td>
<td>1.03</td>
<td>1.38</td>
<td>2.06</td>
</tr>
<tr>
<td>600</td>
<td>0.94</td>
<td>1.25</td>
<td>1.88</td>
</tr>
<tr>
<td>650</td>
<td>0.87</td>
<td>1.13</td>
<td>1.75</td>
</tr>
<tr>
<td>700</td>
<td>0.80</td>
<td>1.08</td>
<td>1.62</td>
</tr>
</tbody>
</table>

NORTRON® SC WITH LIQUID FERTILIZERS

The following procedure is suggested for evaluation of physical compatibility of Nortron® SC Herbicide in mixtures with liquid fertilizers for spray tank application.

MATERIAL REQUIRED
1. Nortron® SC-components of tank mixes if intended for use
2. Liquid fertilizer to be used
3. Adjuvant for fertilizer tank mix: Compex® or E-Z Mix**.

(continued)
4. Two (or more) one quart, wide mouth containers with lids or stoppers
5. Measuring spoons-(25 ml pipette or graduated cylinder provides more accurate measurement)
6. Measuring cup, 8 fl. oz. (237 ml)

*Compex-Kalo Laboratories, Inc., Kansas City, MO
**E-Z Mix-United Agri-Products, Greeley, CO

PROCEDURE
1. Pour one pint (473 ml) of the liquid fertilizer into each of the quart containers.
2. Add adjuvant(s) to one or more of the containers and mix; follow label directions of adjuvant.
3. Add the Nortron® SC and tank mix components to the containers (see rate table below).
4. Close the containers with lids or stoppers and mix contents by inverting the containers ten times.
5. Inspect the surface and body of the mixture:
   a. Immediately after mixing,
   b. after allowing mixtures to stand quietly for 30 minutes,
   c. Immediately after mixing again (invert the containers ten more times).

If a uniform mixture does not occur, the spray tank mixture should not be used. If any of the mixtures remain uniform for 30 minutes, that mixture may be used in spray tank applications. Should any of the mixtures separate after 30 minutes but remix readily into a uniform mixture with inversion of the container, the mixture may be used provided that adequate agitation is maintained in the spray tank. If a Nortron® SC + fertilizer mixture utilizing an adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank at the rate recommended on the label which was used in the test.

If non-dispersible oil, sludge, or clumps of solids form in the mixtures, those combinations should not be used for spray tank application.

RATE TABLE FOR NORTRON® SC MIXTURES WITH LIQUID FERTILIZERS

<table>
<thead>
<tr>
<th>Gal. of Liquid Fertilizer to be applied per acre</th>
<th>*ml or tsp. of Nortron® SC to be added to 1 pint of fertilizer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ml</td>
</tr>
<tr>
<td>20</td>
<td>17.6</td>
</tr>
<tr>
<td>30</td>
<td>12.0</td>
</tr>
<tr>
<td>40</td>
<td>9.0</td>
</tr>
<tr>
<td>50</td>
<td>7.1</td>
</tr>
<tr>
<td>60</td>
<td>6.0</td>
</tr>
</tbody>
</table>

*Based on field use rate of 3.0 lb. al/acre (3/4 gal/acre) in the fertilizer volumes indicated. Adjust amount of Nortron® SC added proportionately to correspond with intended field use rate recommended on Nortron® SC label for soil type. Add the proportionate amount of tank mix component (e.g., Pyramin) if intended for use, based on volume of Nortron® SC used in the test.

RYEGRAVSS, TALL FESCUE, BENTGRASS, AND KENTUCKY BLUEGRASS SEED CROPS  
(For use in California, Idaho, Nevada, Oregon, and Washington only)

GENERAL INFORMATION
Nortron® SC is a selective herbicide for use in ryegrass, tall fescue, and bentgrass seed crops in California, Idaho, Nevada, Oregon, and Washington. It effectively controls or reduces competition from those weed species listed below. Nortron® SC may be applied preemergence to new seedings of annual or perennial ryegrass (continued)
or postemergence to perennial ryegrass, tall fescue, or bentgrass. Application to bentgrass is restricted to plantings which have been established for one year or longer. Soil should be moist at time of application. Nortron® SC is less effective when applied to dry soil. Rainfall or overhead irrigation shortly after application is necessary for activation.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron® SC in the soil is reduced as the soil texture becomes finer and organic matter/hatch increases.

**WEEDS CONTROLLED**

Annual bluegrass ........................................... *Poa annua*  
Seeding Rattrail fescue ..................................... *Festuca myuros*  
Seeding volunteer wheat ................................... *Triticum spp.*  
Seeding volunteer barley .................................. *Hordeum spp.*  
Soft choss ..................................................... *Bromus mollis*  
Seeding Wild oats ........................................... *Avena fatua*  
Downy brome .................................................. *Bromus tectorum*  
Common chickweed .......................................... *Stellaria media*  
Spray equipment: Use a fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. Do not use smaller than 50-mesh strainer. Avoid overlapping of spray swath. Shut off boom while starting, turning or stopping to avoid overlapping. Apply in 10 to 50 gallons of water per acre at low pressure (20 to 50 psi).

**NEW SEEDINGS OF ANNUAL OR PERENNIAL RYEGRASS**

Before weed emergence: Apply Nortron® SC Herbicide after seeding and prior to weed emergence. For best results apply to moist soil. Apply 1 1/2 to 3 pints per acre. Use the lower rate for control of common chickweed. For control of rattrail fescue, wild oats, and volunteer cereals and other weeds listed, use 2 1/4 to 3 3/4 pints per acre.

After weed emergence: Apply Nortron® SC at earliest possible weed growth stage but not later than the 4-leaf stage. Rattrail fescue, wild oats, and volunteer cereals which are more difficult to control, must be treated no later than the 2-leaf stage. Apply 2 1/4 to 3 3/4 pints per acre. Use the highest rate where rattrail fescue, wild oats, and volunteer cereals are present and where weed infestation is heavy.

**NEW SEEDINGS OF FALL-PLANTED PERENNIAL RYEGRASS AND TALL FESCUE TREATED WITH DIURON PLUS CHARCOAL**

Timing of application: Apply Nortron® SC Herbicide following crop emergence and after sufficient rainfall and/or overhead irrigation has occurred to dissipate the charcoal band (approximately 4 inches). Use dosage rates listed in Doseage Table 12. Surface debris may result in reduced weed control. Failure to allow for complete dissipation of the charcoal band may result in reduced weed control within the crop row. For best results, apply Nortron® SC to a moist soil surface.

Before using diuron, read the diuron label for rate recommendations, timing of applications, directions for use, and precautionary statements. Do not exceed maximum dosage rates for either herbicide.

**NOTE:** Do not apply Nortron® SC when crop shows diuron injury.
## DOSAGE TABLE 10

<table>
<thead>
<tr>
<th>Crop</th>
<th>Rate Per Acre</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perennial ryegrass and tall fescue</td>
<td>1 1/2 to 3 pints</td>
<td>For effective control, annual bluegrass must be treated before the 4-leaf stage; rattle fescue, wild oats, and volunteer wheat must be treated before the 2-leaf stage. Use the lower rate for control of annual bluegrass and common chickweed; use the higher rate for control of rattle fescue, wild oats, and other weeds listed.</td>
</tr>
</tbody>
</table>

**After weed emergence:** Apply Norton® SC at earliest possible weed growth stage but not later than the 4-leaf stage. Rattle fescue, wild oats, and volunteer cereals which are more difficult to control, must be treated no later than the 2-leaf stage. Apply 2 1/4 to 3 3/4 pints per acre. Use the highest rate where rattle fescue, wild oats, and volunteer cereals are present and where weed infestation is heavy.

**ESTABLISHED STANDS OF PERENNIAL RYEGRASS AND TALL FESCUE**

**Before weed emergence:** Apply Norton® SC Herbicide at 2 1/4 to 3 3/4 pints per acre prior to weed emergence. Use higher rate where rattle fescue, wild oats, and volunteer cereals are expected to be a problem. For best results, apply to moist soil. Crop residue and debris will reduce effectiveness of treatment and should be removed or destroyed.

**After weed emergence:** Apply Norton® SC Herbicide at earliest possible weed growth stage but not later than the 4-leaf stage. Rattle fescue, wild oats, and volunteer cereals which are more difficult to control, must be treated no later than the 2-leaf stage. Apply 2 1/4 to 3 pints per acre. Use higher rate where rattle fescue, wild oats, and volunteer cereals are present. Where weed pressure is very heavy and rattle fescue is at the maximum stage of growth for treating, a rate of 3 3/4 pints of Norton® SC is recommended.

**ESTABLISHED STANDS OF BENTGRASS**

Apply only to well-established stands which have been seeded for not less than 12 months. Straw from previous crop must be removed or destroyed. Failure to do so may result in reduced weed control.

**Before weed emergence:** Apply Norton® SC Herbicide at 1 1/2 to 3 pints per acre prior to weed emergence. Use higher rate where rattle fescue, wild oats, and volunteer cereals are expected to be a problem. For best results, apply to moist soil.

**After weed emergence:** Apply Norton® SC at earliest possible weed growth stage, but no later than the 4-leaf stage. Rattle fescue, wild oats, and volunteer cereals which are more difficult to control, must be treated no later than the 2-leaf stage. Apply at the rate of 1 1/2 to 3 pints per acre. Use higher rate when rattle fescue, wild oats, and volunteer cereals are a problem. Do not apply more than 3 pints of Norton® SC per acre on beniggrass.

**ESTABLISHED STANDS OF KENTUCKY BLUEGRASS (UNDER IRRIGATION ONLY)**

Apply only to established stands which have been seeded for at least 12 months. Crop residues, carbon, and debris should be removed. Failure to do so may result in reduced weed control. Norton® SC Herbicide is compatible with currently labeled grass seed herbicides. Consult your local fieldman for recommended uses.

**Before weed emergence:** Apply Norton® SC at 2 pints per acre prior to weed emergence. For best results, apply to moist soil. Apply at least 1/2 inch irrigation within 2 to 3 days after treatment to incorporate Norton® SC.

**After weed emergence:** Apply Norton® SC at 2 pints per acre at the earliest possible weed growth stage, but no later than the 4-leaf stage. For best results, apply to moist soil. Apply at least 1/2 inch irrigation within 2 to 3 days after treatment to incorporate Norton® SC.
USE PRECAUTIONS
Nortron® SC Herbicide may cause stunting and stand reduction of newly seeded perennial ryegrass and tall fescue if the crop is planted late in the fall and subjected to adverse climatic conditions or pesticides which restrict normal growth.
If vegetative matter or stover from previous crop was burned, sufficient rainfall or overhead irrigation must have occurred to dissipate the charcoal residue remaining after burning prior to Nortron® SC treatment. Failure to allow for dissipation of charcoal residue may result in reduced weed control.

COMMERCIAL SOD PRODUCTION
(For use in California, Idaho, Nevada, Oregon, and Washington only)

GENERAL INFORMATION
Nortron® SC is a selective herbicide for use in established and newly planted tall fescue and perennial ryegrass grown for sod in California, Idaho, Nevada, Oregon, and Washington. Nortron® SC may be applied preemergence or postemergence for the control of weed species listed below. Overhead irrigation or rainfall shortly after application is necessary for activation.
Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron® SC in the soil is reduced as the soil texture becomes finer and organic matter/hatch increases.

WEEDS CONTROLLED
Annual bluegrass .................. Poa annua
Large crabgrass .................. Digitaria sanguinalis
Green foxtail .................. Setaria viridis
Yellow foxtail .................. Setaria glauca
Canarygrass .................. Phalaris canariensis
Volunteer barley .................. Hordeum sp.
Volunteer wheat .................. Triticum sp.
Wild oats .................. Avena fatua
Ratitail fescue .................. Festuca rubra
Common velvetgrass .................. Holcus lanatus
Mannagrass .................. Glycine sp.
Downy brome .................. Bromus tectorum
Soft chess .................. Bromus mollis

Spray equipment: Use a fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. Do not use smaller than a 50-mesh strainer. Avoid overlapping of spray swath. Shut off boom while starting, turning, or stopping to avoid over-application. Make applications in 10 to 50 gallons of water per acre at low pressure (20 to 50 psi).

Soil preparation: All existing vegetative matter should be thoroughly worked into the soil surface before planting. Large clods, trash, or vegetative matter left on the soil surface will reduce effectiveness of the Nortron® SC treatment.

NEWLY PLANTED PERENNIAL RYEGRASS AND TALL FESCUE GROWN FOR SOD
Apply Nortron® SC Herbicide to newly planted areas when crop reaches the 2- to 3-leaf stage of growth. For best results, apply to moist soils.
Before weed emergence: Apply Nortron® SC at 2 1/4 to 3 pints per acre prior to weed emergence. Use the higher rate where ratitail fescue, wild oats, and volunteer cereals are expected to be a problem.
After weed emergence: Apply Nortron® SC at earliest possible weed growth stage but no later than the 4-leaf stage. Rattlesnake, wild oats, and volunteer cereals which are more difficult to control, must be treated no later than the 2-leaf stage. Apply Nortron® SC at 2 1/4 to 3 pints per acre.

ESTABLISHED PERENNIAL RYEGRASS AND TALL FESCUE SOD
For preemergence and/or postemergence control of susceptible weeds, apply Nortron® SC Herbicide prior to weed emergence or at the earliest possible weed growth stage, but not later than the 4-leaf stage. For best results, apply to moist soils. Apply Nortron® SC at 2 1/4 to 3 pints per acre. Repeat applications at 4 to 6 week intervals may be needed to maintain weed control. DO NOT apply more than 1 gallon of Nortron® SC per acre per growing season.

USE PRECAUTIONS
Nortron® SC may cause stunting and stand reduction of newly seeded perennial ryegrass and tall fescue, if the crop is planted late in the fall and subjected to adverse climatic conditions or pesticides which restrict normal growth.

If vegetative matter or slobber from previous crop was burned, sufficient rainfall or overhead irrigation must have occurred to dissipate the charcoal residue remaining after burning prior to Nortron® SC treatment. Failure to allow for dissipation of charcoal residue may result in reduced weed control.

GENERAL INFORMATION
Nortron® SC is a selective herbicide for use in table beets for the control of the weed species listed below. Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

WEED SPECIES CONTROLLED

<table>
<thead>
<tr>
<th>Annual Broadleaf Weeds</th>
<th>Annual Grass Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black nightshade</td>
<td>Solanum nigrum</td>
</tr>
<tr>
<td>Common chickweed</td>
<td>Stellaria media</td>
</tr>
<tr>
<td>Common lambsquarters</td>
<td>Chenopodium album</td>
</tr>
<tr>
<td>Common purslane</td>
<td>Portulaca oleracea</td>
</tr>
<tr>
<td>Eastern black nightshade</td>
<td>Solanum pycnanthum</td>
</tr>
<tr>
<td>Kochia</td>
<td>Kochia scoparia</td>
</tr>
<tr>
<td>Lady’s thumb</td>
<td>Polygonum persicaria</td>
</tr>
<tr>
<td>Pennsylvania smartweed</td>
<td>Polygonum pennsylvanicum</td>
</tr>
<tr>
<td>Redroot pigweed</td>
<td>Amaranthus retroflexus</td>
</tr>
<tr>
<td>Russian thistle</td>
<td>Salsola kali var. tenuifolia</td>
</tr>
<tr>
<td>Wild buckwheat</td>
<td>Polygonum convolvulus</td>
</tr>
</tbody>
</table>

**Control of wild oats has been inconsistent in Minnesota and North Dakota.

Nortron® SC alone will also reduce competition from these HARD-TO-CONTROL weeds:

- Annual Sowthistle: Sondurus oleraceus
- Puncturevine: Tribulus terrestris
- Shephardspurge: Capsella bursa-pastoris
- Purple Nutsedge: Cyperus rotundus
- Yellow Nutsedge: Cyperus esculentus

Apply tank mixes only in specified regions or States and in accordance with directions on label.
GENERAL APPLICATION

Table beets grown under rainfall: Apply Nortron® SC Herbicide alone or in a tank mix preemergence at time of planting or shortly after, but prior to weed germination. Nortron® SC or tank mix does not require mechanical soil incorporation provided that sufficient rainfall occurs shortly following application to activate the chemical. One-half inch of rainfall is usually adequate for activation. In areas where rainfall can be marginal for activation, it is recommended that Nortron® SC be applied before or at the time of planting and incorporated into the soil.

Table beets grown under furrow irrigation: Apply Nortron® SC Herbicide alone or in a tank mix to the soil surface preplant or at time of planting, but prior to weed germination. When table beets are grown in beds, apply Nortron® SC or tank mix after bedding and incorporate. Since Nortron® SC must have moisture to control weeds effectively, irrigate until tops of beds are thoroughly wetted.

Table beets grown under sprinkler irrigation: Apply Nortron® SC Herbicide alone or in tank mix preemergence at time of planting or shortly after, and irrigate prior to crop and weed germination. Repeat irrigation as necessary to maintain good moisture in upper soil layer. Apply at least one-half inch of water during first irrigation. Do not mechanically incorporate Nortron® SC into the soil under sprinkler irrigation.

CULTURAL PRACTICES FOLLOWING APPLICATION: When properly applied, Nortron® SC Herbicide alone can provide up to 6 weeks control of susceptible weed species. When cultivating fields in which Nortron® SC has been banded, care should be exercised to minimize the movement of untreated soil into the treated band. Where a broadcast application has been made, do not cultivate deeper than two inches, as this reduces the effectiveness of Nortron® SC.

NORTRON® SC ALONE
DOSAGE TABLE 11

<table>
<thead>
<tr>
<th>Table Beet Stage</th>
<th>NORTRON® SC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FLUID OUNCES/ACRE BROADCAST</td>
</tr>
<tr>
<td>Preemergence</td>
<td>60</td>
</tr>
<tr>
<td>Postemergence</td>
<td></td>
</tr>
<tr>
<td>2-Leaf</td>
<td>5.25</td>
</tr>
<tr>
<td>4-Leaf</td>
<td>5.25</td>
</tr>
<tr>
<td>6-Leaf to 8-Leaf</td>
<td>10.5</td>
</tr>
</tbody>
</table>

Do not exceed 95 fluid ounces (0.75 gallon) of product per season.

PREPLANT AND PREEMERGENCE USE PRECAUTIONS

Nortron® SC Herbicide applied alone or in tank mixes according to label directions and under normal growing conditions may cause temporary leaf bluing, distortion and stunting. Crop injury may occur during early growth when crop is stressed due to herbicide residue carryover, highly saline or alkaline soils, unusually cold and wet weather or improperly placed fertilizers or soil insecticides.

Unusually dry, windy weather, which dries the upper soil layer, following application of Nortron® SC, may reduce effectiveness.

DO NOT OVERTREAT: The use of higher than recommended rates may cause beet injury and/or carry over problems.

Crop Planting Precautions: If crop is lost due to unfavorable growth conditions following treatment, do not replant with crops other than sugar beets, table beets, onions, shallots or ryegrass in treated land during the same season. If fields are replanted to sugar beets, reseed into treated band. Do not retreat fields with preemergence rates of Nortron® SC in the same season.
PRECAUTIONS
No more than a total of 0.75 gallon of Norton® SC should be applied in a single growing season. See Use Precautions for additional information on proper use.

PREPLANT AND PREEMERGENCE APPLICATIONS
SOIL PREPARATION: The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of Norton® SC Herbicide and tank mixes. All existing vegetative growth should be thoroughly worked into the soil before treatment.

SPRAY EQUIPMENT: Apply Norton® SC Herbicide alone or in tank mixes to the soil using standard low pressure (20 to 50 psig) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Do not use smaller than 50-mesh strainer. Uniformly apply the recommended rates of Norton® SC or tank mixes in 10 to 60 gallons of water per acre on a broadcast basis. Avoid overlaps since crop injury may result. When applying Norton® SC or tank mixes in a band, check to make certain that the band width is accurate for the dosage rate being applied.

The spray tank and lines should be thoroughly cleaned and rinsed prior to using Norton® SC.

POSTEMERGENCE APPLICATION
GENERAL INFORMATION
Norton® SC Herbicide applied postemergence broadens and enhances the control of weeds.
Mixing the Spray: Add Norton® SC to the water in the spray while agitating the spray solution thoroughly.

Spray Equipment: Apply the mixture using standard low pressure (20–60 psig) spray equipment. Ensure that the sprayer is thoroughly clean. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Uniformly apply the recommended rate in 10–40 gallons of water per acre on a broadcast basis or 5–10 gallons of water per acre in a band. Avoid overlaps, since crop injury may result. When applying in a band, check to make certain that the band width is accurate for the dosage rate being applied. Do not use strainer smaller than 50-mesh.

Moisture Following Application/Residual Weed Control: Rainfall or sprinkler irrigation within 6 hours of spraying may reduce weed control; however, with preemergence rates, moisture after this period of time is advantageous for moving Norton® SC into the top layer of soil where it can be absorbed by the roots of sprayed and germinating weeds to provide optimum control. One-half inch or more of sprinkler irrigation is required to activate Norton® SC on most soil types.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Norton® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

NORTRON® SC MAY CAUSE CROP INJURY OR STAND LOSS IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:
• Rapid climatic changes from cool, overcast days, to hot (80°F or over), bright days. When the air temperature is, or is likely to be, above 80°F on the day of spraying, application should be made in the evening when the temperature is lower.
• Frost within seven days following treatment
• Windy or drought conditions
• Use of a preplant or preemergence herbicide or other chemicals
• Insect or disease injury
• Close cultivation

If stress conditions are present, delay application until crop has recovered.

(continued)
DO NOT OVERTREAT: The use of higher-than-recommended rates may cause beet injury and/or carry over problems.

Do not spray while dew is present.

Rainfall or sprinkler irrigation within 6 hours of application may reduce weed kill.

If Nortron® SC is applied on fields with heavy crop residue, such as from a previous corn crop, reduced weed control may occur.

Do not allow spray drift to contact adjacent crops which may be injured by spray drift.

GENERAL INFORMATION

Nortron® SC is a selective herbicide for use in onion and shallot for the control of the weed species listed below.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture.

The activity of Nortron® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

WEED SPECIES CONTROLLED

Annual Broadleaf Weeds

Black nightshade .................................. Solanum nigrum
Common chickweed ............................. Stellaria media
Common lambsquarters ......................... Chenopodium album
Common purslane ................................ Portulaca oleracea
Eastern black nightshade ...................... Solanum ptychanthum
Kochia .............................................. Kochia scoparia
Larysthamb ....................................... Polygonum pensicaria
Pennsylvania smartweed ....................... Polygonum pensylvanicum
Redroot pigweed ................................. Amaranthus retroflexus
Russian thistle .................................. Salsola kali var. tenfolia
Wild buckwheat ................................. Polygonum convolvulus

Annual Grass Weeds

Annual bluegrass ............................... Poa annua
Barnyardgrass .................................. Echinochloa crus-galli
Canarygrass ..................................... Phalaris canariensis
Green foxtail ..................................... Setaria viridis
Large crabgrass .................................. Digitaria sanguinalis
Volunteer barley ................................ Hordeum sp.
Volunteer wheat .................................. Triticum sp.
Wild oats** ...................................... Avena fatua
Yellow foxtail .................................. Setaria glauca

**Control of wild oats has been inconsistent in Minnesota and North Dakota.

Nortron® SC alone will also reduce competition from these HARD-TO-CONTROL weeds:

Annual Sowthistle ............................... Sonchus oleraceus
Puncturevine .................................... Tribulus terrestris
Shepherdspurse ................................. Capsella bursa-pastoris
Purple nutsedge ................................... Cyperus rotundus
Volunteer potato ................................. Solanum tuberosum
Yellow nutsedge .................................. Cyperus esculentus

Apply tank mixes only in specified regions or States and in accordance with directions on label.

GENERAL APPLICATION

Onion and shallot grown under rainfall: Apply Nortron® SC Herbicide alone or in a tank mix preemergence at time of planting or shortly after, but prior to weed germination. Nortron® SC or tank mix does not require mechanical soil incorporation provided that sufficient rainfall occurs shortly following application to activate the chemical. One-half inch of rainfall is usually adequate for activation. In areas where rainfall can be marginal for activation, it is recommended that Nortron® SC be applied before or at the time of planting and incorporated into the soil.
Onion and shallot grown under furrow irrigation: Apply Nortron® SC Herbicide alone or in a tank mix to the soil surface preplant or at time of planting, but prior to weed germination. Where these crops are grown in beds, apply Nortron® SC or tank mix after bedding and incorporate. Since Nortron® SC must have moisture to control weeds effectively, irrigate until tops of beds are thoroughly wetted.

Onion and shallot grown under sprinkler irrigation: Apply Nortron® SC Herbicide alone or in tank mix preemergence at time of planting or shortly after, and irrigate prior to crop and weed germination. Repeat irrigation as necessary to maintain good moisture in upper soil layer. Apply at least one-half inch of water during first irrigation. Do not mechanically incorporate Nortron® SC into the soil under sprinkler irrigation.

CULTURAL PRACTICES FOLLOWING APPLICATION: When properly applied, Nortron® SC Herbicide alone can provide up to 6 weeks control of susceptible weed species. When cultivating fields in which Nortron® SC has been banded, care should be exercised to minimize the movement of untreated soil into the treated band. Where a broadcast application has been made, do not cultivate deeper than two inches, as this reduces the effectiveness of Nortron® SC.

### NORTRON® SC ALONE

#### DOSAGE TABLE 12

DOSAGE FOR BROADCAST APPLICATIONS TO ONION AND SHALLOT

<table>
<thead>
<tr>
<th>Use Pattern</th>
<th>NORTRON® SC FLUID OUNCES/ACRE BROADCAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preemergence, soil surface</td>
<td></td>
</tr>
<tr>
<td>Coarse Soils (sand, loamy sand, sandy loam)*</td>
<td>16</td>
</tr>
<tr>
<td>Medium and Fine Soils**</td>
<td>32</td>
</tr>
<tr>
<td>Postemergence</td>
<td></td>
</tr>
<tr>
<td>up to 4 foliar applications at evenly spaced intervals, with last application 30 (+/- 2) days before harvest</td>
<td>16</td>
</tr>
</tbody>
</table>

*On coarse soils: Do not exceed 48 fluid ounces (0.375 gallon) of product per season.

**On medium and fine textured soils: Do not exceed 96 fluid ounces (0.75 gallon) of product per season.

### PREPLANT AND PREEMERGENCE USE PRECAUTIONS

Nortron® SC Herbicide applied alone or in tank mixes according to label directions and under normal growing conditions may cause temporary leaf fusion, distortion and stunting. Crop injury may occur during early growth when crop is stressed due to herbicide residue carryover, highly saline or alkaline soils, unusually cold and wet weather or improperly placed fertilizers or soil insecticides.

Unusually dry, windy weather, which dries the upper soil layer, following application of Nortron® SC, may reduce effectiveness.

DO NOT OVERTREAT: The use of higher than recommended rates may cause crop injury and/or carry over problems.

Crop Planting Precautions: If crop is lost due to unfavorable growth conditions following treatment, do not replant with crops other than sugar beets, table beets, onions, shallots or eggplants in treated land during the same season. If fields are replanted to sugar beets, reseed into treated band. Do not retreat field with preemergence rates of Nortron® SC in the same season.

### PRECAUTIONS

No more than a total of 0.75 gallon of Nortron® SC should be applied in a single growing season. See Use Precautions for additional information on proper use.
PREPLANT AND PREEMERGENCE APPLICATIONS
SOIL PREPARATION: The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of Norton® SC Herbicide and tank mixes. All existing vegetative growth should be thoroughly worked into the soil before treatment.

SPRAY EQUIPMENT: Apply Norton® SC Herbicide alone or in tank mixes to the soil using standard low pressure (20 to 50 psi) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to ensure that it is functioning properly. Do not use strainer smaller than 50-mesh. Uniformly apply the recommended rates of Norton® SC or tank mixes in 10 to 60 gallons of water per acre on a broadcast basis. Avoid overlaps since crop injury may result. When applying Norton® SC or tank mixes in a band, check to make certain that the band width is accurate for the dosage rate being applied. The spray tank and lines should be thoroughly cleaned and rinsed prior to using Norton® SC.

POSTEMERGENCE APPLICATION
GENERAL INFORMATION
Norton® SC Herbicide applied postemergence broadens and enhances the control of weeds.
Mixing the Spray: Add Norton® SC to the water in the spray while agitating the spray solution thoroughly.
Spray Equipment: Apply the mixture using standard low pressure (20–50 psi) spray equipment. Ensure that the sprayer is thoroughly clean. Spray equipment should be carefully calibrated before use and checked frequently during application to ensure that it is functioning properly. Uniformly apply the recommended rate in 10–40 gallons of water per acre on a broadcast basis or 5–10 gallons of water per acre in a band. Avoid overlaps, since crop injury may result. When applying in a band, check to make certain that the band width is accurate for the dosage rate being applied. Do not use strainer smaller than 50-mesh.
Moisture Following Application/Residual Weed Control: Rainfall or sprinkler irrigation within 6 hours of spraying may reduce weed control; however, with preemergence rates, moisture after this period of time is advantageous for moving Norton® SC into the top layer of soil where it can be absorbed by the roots of sprayed and germinating weeds to provide optimum control. One-half inch or more of sprinkler irrigation is required to activate Norton® SC on most soil types.
Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used; and soil texture. The activity of Norton® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.
NORTRON® SC MAY CAUSE CROP INJURY OR STAND LOSS IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:
• Rapid climatic changes from cool, overcast days, to hot (80°F or over), bright days. When the air temperature is, or is likely to be, above 80°F on the day of spraying, application should be made in the evening when the temperature is lower.
• Frost within seven days following treatment
• Windy or drought conditions
• Use of a preplant or preemergence herbicide or other chemicals
• Insect or disease injury
• Close cultivation
If stress conditions are present, delay application until crop has recovered.
DO NOT OVERTREAT: The use of higher-than-recommended rates may cause beet injury and/or carry over problems. Do not spray while dew is present.
Rainfall or sprinkler irrigation within 6 hours of application may reduce weed kill.
If Norton® SC is applied on fields with heavy crop residue, such as from a previous corn crop, reduced weed control may occur.
Do not allow spray drift to contact adjacent crops which may be injured by spray drift.

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CARROT
(For Use in Washington and Oregon Only)

GENERAL INFORMATION
Nortron® SC is a selective herbicide for use in carrot for the control of volunteer potatoes and the weed species listed below.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Nortron® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

WEED SPECIES CONTROLLED

<table>
<thead>
<tr>
<th>Annual Broadleaf Weeds</th>
<th>Annual Grass Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black nightshade</td>
<td>Sorghum nigrum</td>
</tr>
<tr>
<td>Common chickweed</td>
<td>Barnyardgrass</td>
</tr>
<tr>
<td>Common lambquarters</td>
<td>Echinochloa crus-galli</td>
</tr>
<tr>
<td>Common purslane</td>
<td>Canarygrass</td>
</tr>
<tr>
<td>Kochia</td>
<td>Phalaris canariensis</td>
</tr>
<tr>
<td>Kochia scoparia</td>
<td>Green foxtail</td>
</tr>
<tr>
<td>Ladyalthumb</td>
<td>Seteria viridis</td>
</tr>
<tr>
<td>Pennsylvania smartweed</td>
<td>Large crabgrass</td>
</tr>
<tr>
<td>Redroot pigweed</td>
<td>Digiaria sanguinalis</td>
</tr>
<tr>
<td>Russian thistle</td>
<td>Volunteer barley</td>
</tr>
<tr>
<td>Wild buckwheat</td>
<td>Volunteer wheat</td>
</tr>
</tbody>
</table>

Nortron® SC alone will also reduce competition from these HARD-TO-CONTROL weeds:

| Annual Sowthistle      | Sanchus oleraceus |
| Puncturavina           | Tribulus terrestris |
| Shepherdspurse         | Capsella bursa-pastoris |
| Purple nutsedge        | Cyperus rotundus |
| Volunteer potato       | Solanum tuberosum |
| Yellow nutsedge        | Cyperus esculentens |

Apply tank mixes only in specified regions or States and in accordance with directions on label.

GENERAL APPLICATION

Carrot grown under rainfall: Apply Nortron® SC Herbicide alone or in a tank mix preemergence at time of planting or shortly after, but prior to weed germination. Nortron® SC or tank mix does not require mechanical soil incorporation provided that sufficient rainfall occurs shortly following application to activate the chemical. One-half inch of rainfall is usually adequate for activation. In areas where rainfall can be marginal for activation, it is recommended that Nortron® SC be applied before or at the time of planting and incorporated into the soil.

Carrot grown under furrow irrigation: Apply Nortron® SC Herbicide alone or in a tank mix to the soil surface preplant or at time of planting, but prior to weed germination. Where carrots are grown in beds, apply Nortron® SC or tank mix after bedding and incorporate. Since Nortron® SC must have moisture to control weeds effectively, irrigate until tops of beds are thoroughly wetted.
Carrot grown under sprinkler irrigation: Apply Norton® SC Herbicide alone or in tank mix preemergence at time of planting or shortly after, and irrigate prior to crop and weed germination. Repeat irrigation as necessary to maintain good moisture in upper soil layer. Apply at least one-half inch of water during first irrigation. Do not mechanically incorporate Norton® SC into the soil under sprinkler irrigation.

CULTURAL PRACTICES FOLLOWING APPLICATION: When properly applied, Norton® SC Herbicide alone can provide up to 6 weeks control of susceptible weed species. When cultivating fields in which Norton® SC has been banded, care should be exercised to minimize the movement of untreated soil into the treated band. Where a broadcast application has been made, do not cultivate deeper than two inches, as this reduces the effectiveness of Norton® SC.

NORTRON® SC ALONE
DOSEAGE TABLE 13

<table>
<thead>
<tr>
<th>Use Pattern</th>
<th>NORTRON® SC FLUID OUNCES/ACRE BROADCAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preemergence, soil surface</td>
<td>48</td>
</tr>
<tr>
<td>Coarse Soils (sand, loamy sand, sandy loam)</td>
<td>64</td>
</tr>
<tr>
<td>Medium and Fine Soils</td>
<td></td>
</tr>
<tr>
<td>Postemergence</td>
<td>64</td>
</tr>
<tr>
<td>2-Leaf to 4-Leaf Stage</td>
<td></td>
</tr>
</tbody>
</table>

Do not exceed 128 fluid ounces (1 gallon) of product per season.

PREPLANT AND PREEMERGENCE USE PRECAUTIONS

Norton® SC Herbicide applied alone or in tank mixes according to label directions and under normal growing conditions may cause temporary leaf fusion, distortion and stunting. Crop injury may occur during early growth when crop is stressed due to herbicide residue carryover, highly saline or alkaline soils, unusually cold and wet weather or improperly placed fertilizers or soil insecticides.

Unusually dry, windy weather, which dries the upper soil layer, following application of Norton® SC, may reduce effectiveness.

DO NOT OVERTREAT: The use of higher than recommended rates may cause crop injury and/or carry over problems.

Crop Planting Precautions: If crop is lost due to unfavorable growth conditions following treatment, do not replant with crops other than sugar beets, table beets, carrots, onions, shallots, or ryegrass in treated land during the same season. If fields are replanted to sugar beets, reseed into treated band. Do not retreat field with preemergence rates of Norton® SC in the same season.

PRECAUTIONS

No more than a total of 1 gallon of Norton® SC should be applied in a single growing season. See Use Precautions for additional information on proper use.

PREPLANT AND PREEMERGENCE APPLICATIONS

SOIL PREPARATION: The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of Norton® SC Herbicide and tank mixes. All existing vegetative growth should be thoroughly worked into the soil before treatment.
SPRAY EQUIPMENT: Apply Norton® SC Herbicide alone or in tank mixes to the soil using standard low pressure (20 to 50 psi) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Do not use smaller than 50-mesh strainer. Uniformly apply the recommended rates of Norton® SC or tank mixes in 10 to 60 gallons of water per acre on a broadcast basis. Avoid overlaps since crop injury may result. When applying Norton® SC or tank mixes in a band, check to make certain that the band width is accurate for the dosage rate being applied.

The spray tank and lines should be thoroughly cleaned and rinsed prior to using Norton® SC.

POSTEMERGENCE APPLICATION
GENERAL INFORMATION
Norton® SC Herbicide applied postemergence broadens and enhances the control of weeds.
Mixing the Spray: Add Norton® SC to the water in the spray while agitating the spray solution thoroughly.
Spray Equipment: Apply the mixture using standard low pressure (20–60 psi) spray equipment. Ensure that the sprayer is thoroughly clean. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Uniformly apply the recommended rate in 10–60 gallons of water per acre on a broadcast basis or 5–10 gallons of water per acre in a band. Avoid overlaps, since crop injury may result. When applying in a band, check to make certain that the band width is accurate for the dosage rate being applied. Do not use strainer smaller than 50-mesh.

Moisture Following Application/Residual Weed Control: Rainfall or sprinkler irrigation within 6 hours of spraying may reduce weed control; however, with preemergence rates, moisture after this period of time is advantageous for moving Norton® SC into the top layer of soil where it can be absorbed by the roots of sprayed and germinating weeds to provide optimum control. One-half inch or more of sprinkler irrigation is required to activate Norton® SC on most soil types.

Residual control of weeds is dependent upon soil moisture conditions, rate of herbicide used, and soil texture. The activity of Norton® SC in the soil is reduced as the soil texture becomes finer and organic matter increases.

NORTRON® SC MAY CAUSE CROP INJURY OR STAND LOSS IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

- Rapid climatic changes from cool, overcast days, to hot (80°F or over), bright days. When the air temperature is, or is likely to be, above 80°F on the day of spraying, application should be made in the evening when the temperature is lower.
- Frost within seven days following treatment
- Windy or drought conditions
- Use of a preplant or preemergence herbicide or other chemicals
- Insect or disease injury
- Close cultivation

If stress conditions are present, delay application until crop has recovered.

DO NOT OVERTREAT: The use of higher-than-recommended rates may cause root injury and/or carry over problems.

Do not spray while dew is present.
Rainfall or sprinkler irrigation within 6 hours of application may reduce weed kill.
If Norton® SC is applied on fields with heavy crop residue, such as from a previous corn crop, reduced weed control may occur.
Do not allow spray drift to contact adjacent crops which may be injured by spray drift.
IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

Nortron® is a registered trademark of Bayer.
Eplam® is a registered trademark of Zeneca Ag
Pyramin® is a registered trademark of BASF Aktiengesellschaft.
Norton® SC HERBICIDE SUSPENSION CONCENTRATE
BROAD SPECTRUM HERBICIDE
For Selective Control of Weeds in Sugar Beets, Garden Beets, Onions, Shallots (in all states) and Carrots in (WA and OR only)
GRASS SEED HERBICIDE
For Selective Control of Weeds in Certain Grass Seed Crops and Commercial Sod Production in California, Idaho, Nevada, Oregon, and Washington

ACTIVE INGREDIENT: 
Ethofumesate (2-ethyl-3,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate) .................................................. 42%
INERT INGREDIENTS: .......................................................................................................................... 58%
This product contains 4.0 lbs. active ingredient per gallon.
TOTAL 100%

EPA Reg. No. 264-813

KEEP OUT OF REACH OF CHILDREN
CAUTION

FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See Attached Booklet.

For PRODUCT USE: Information Call 1-866-985-BAYER (1-866-985-2397)
For MEDICAL AND TRANSPORTATION: Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

AVOID CONTACT WITH SKIN, EYES, OR CLOTHING.

FIRST AID
IF SWALLOWED:
• Immediately call a poison control center or doctor for treatment advice.
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Have person sip a glass of water if able to swallow.
• Do not give anything by mouth to an unconscious person.

IF INHALED:
• More person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
• Call a poison control center or doctor for treatment advice.

FOR MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.
Have the product container or label with you when calling a poison control center or doctor for help.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION
Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See attached label on: Personal Protective Equipment (PPE), User Safety Recommendations, and Environmental Hazards.

DIRECTIONS FOR USE: See attached booklet.
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read entire Directions for Use and Disposal label before using this product.

SHAKE CONTAINER WELL BEFORE USING

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

STORAGE: Protect Norton® SC Herbicide from freezing temperatures.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide, or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a 5-gallon tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a 5-gallon tank or store inside for future use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or reconditioning, if appropriate. Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

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Research Triangle Park, North Carolina 27709

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