



41152 55947-161 10414  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

DEC - 1 1995

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, Illinois 60018-3300

Attention: Jonathan E. Bryant, Ph. D.

Subject: Tough 3.75EC  
EPA Registration Number 55947-161  
Your amended labeling dated August 22, 1995

Dear Mr. Bryant,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Submit, by no later than April 30, 1998, corn field trial data, to include corn forage, silage, and stover (and bridged to peanuts), demonstrating that the use of adjuvants with Tough 3.75EC does not result in over-tolerance residues.
2. On page 3, in the first sentence following the heading "GENERAL INFORMATION", add the word "a" immediately following "TOUGH 3.75EC is".
3. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

If you have any questions about this letter, please contact John Bazuin at (703)305-6117.

Sincerely yours,

*Theresa A. Stowe*

Theresa A. Stowe  
Acting Team Leader (PM 22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

**TOUGH 3.75 EC**  
**FOR THE POSTEMERGENCE CONTROL OF**  
**ANNUAL WEEDS IN PEANUTS AND CORN**

ACTIVE INGREDIENT:	
Pyridate* .....	43.5%
INERT INGREDIENTS: .....	56.5%
Total .....	100.0%

\*O-(6-chloro-3-phenyl-4-pyridazinyl)-S-octyl-carbonothioate

Contains 3.75 lbs. of pyridate per gallon of product.

**KEEP OUT OF REACH OF CHILDREN**

<b>WARNING</b>	<b>AVISO</b>
<b>Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)</b>	

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

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

**NOTE TO ATTENDING PHYSICIAN:** May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagosopic control.

EPA Est. No.  
EPA Reg. NO. 55947-161

SANDOZ AGRO, Inc  
1300 E. Touhy Ave.  
Des Plaines, IL

Net Contents 2.5 gallons / 9.45 liters

**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated

DEC - 1 1985

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

55947-161

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## WARNING

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Harmful if inhaled. Avoid breathing spray mist. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

NOTE TO PHYSICIAN: Treat symptomatically. There is no specific antidote. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.

### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart. Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as viton or barrier laminate
3. Shoes plus socks
4. Protective eye wear

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.

### USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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 contaminate water intended for irrigation or domestic purposes. Runoff may adversely affect nontarget plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This pesticide is toxic to estuarine organisms.

### PHYSICAL AND CHEMICAL HAZARDS

Keep away from heat or open flame.

10019

**AGRICULTURAL CHEMICAL**  
DO NOT SHIP OR STORE WITH FOODS, FEEDS, DRUGS, OR CLOTHING.

**DIRECTIONS FOR USE**

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

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

**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, 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.

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:

1. Coveralls
2. Chemical-resistant gloves such as viton or barrier laminate
3. Shoes plus socks
4. Protective eyewear

**GENERAL INFORMATION**

TOUGH 3.75 EC is selective herbicide for postemergence control or suppression of actively growing annual broadleaf weeds in peanuts, field corn, seed corn, and popcorn. TOUGH 3.75 EC is recommended to be used sequentially and/or tank mixed with other herbicides as part of a complete weed control program.

TOUGH 3.75 EC is an emulsifiable concentrate formulation containing 3.75 pounds of pyridate per gallon of product.

**Biological Activity:** TOUGH 3.75 EC is a contact herbicide that is absorbed rapidly by the leaves of plants. Activity in sensitive weeds is evident by marginal yellowing, followed by yellowing and browning of the entire leaf. This visible evidence usually occurs within 4 to 7 days of application. Activity is more rapid at higher temperatures

and under good growing conditions. Weed control under adverse conditions such as drought, low temperatures, etc. may be decreased.

Uptake of TOUGH 3.75 EC is very rapid. Rainfall 1 to 2 hours after application has little effect on the degree of control.

**Mixing:** Fill the spray tank 1/2 full with water. Add the required amount of TOUGH 3.75 EC, mix thoroughly and add the remaining amount of water required for application. Maintain sufficient agitation during mixing and spraying to insure a uniform spray mixture.

In tank mixes, after the spray tank is 1/2 full of water, first add any wettable powders or dry flowables. Agitate until wettable powders or dry flowables are fully dispersed. Add any aqueous flowables. Agitate until solution is uniform. Add any emulsifiable liquids and TOUGH 3.75 EC. Agitate until solution is uniform and maintain constant agitation until solution is completely applied. Always mix one product in water thoroughly before adding another product or compatibility problems may occur. Never mix two products together without first mixing in water. It is recommended that a compatibility test be performed prior to tank mixing.

**Note:** Agitation must be provided during mixing and spraying to ensure a uniform spray mixture. Spray mixture should be used immediately and not stored.

**Application:** TOUGH 3.75 EC is noncorrosive to spray equipment. Before preparing spray mixture, be sure all equipment is clean to prevent uneven applications, clogging of spray nozzles, or crop injury. Apply TOUGH 3.75 EC with a boom sprayer calibrated to a constant speed and constant, uniform delivery. TOUGH 3.75 EC should be applied in sufficient water (20-30 gallons per acre is recommended) at a pressure of 30-40 psi to ensure proper coverage. Thorough coverage of target weeds is required for optimum results. Use the higher spray volumes when treating dense or tall vegetation. Large crop and weed canopies can shelter smaller weeds. Directed applications below large crop canopies are recommended for optimum coverage of target weeds.

~~Use of adjuvants with TOUGH 3.75 EC is prohibited for use on peanuts.~~ Adjuvants (nonionic surfactants, crop oil or liquid fertilizer) may be used with TOUGH 3.75 EC tank mixes where required by tank mix partners specified in this label. Refer to Directions for Use section for specific adjuvant recommendations for use in corn and peanuts.

Do not apply this product when wind conditions will allow drift to adjacent susceptible vegetation.

Application of TOUGH 3.75 EC with or in liquid fertilizer solutions as a carrier is not recommended after corn emergence.

For optimum control of broadleaf weeds, apply TOUGH 3.75 EC to actively growing weeds by the 4 leaf stage. A delay in spraying which permits weeds to grow beyond the proper application stage may result in decreased control. If weeds are under stress and not actively growing, they will be more difficult to control. Scout fields often to determine

0077

exact timing for application. If treatments must be made under adverse conditions or to larger weeds, use the higher rate allowed in this label. Cultivation may be necessary after application if all weeds are not properly controlled or weeds regrow.

TOUGH 3.75 EC and tank mixes with herbicides not prohibiting band application may be applied as a band treatment.

Consult your state and local authorities for possible application restrictions and advice when applying TOUGH 3.75 EC and tank mixes.

TOUGH 3.75 EC rapidly decomposes in the soil and has no residual activity. No crop rotation restrictions exist if normal harvest of treated crop has occurred. Peanuts, field corn, seed corn, or popcorn may be replanted immediately if this interval is shortened such as in catastrophic crop failure from hail, flood, etc. Multiple applications of TOUGH 3.75 EC may be made providing that the maximum annual use rate is not exceeded. Refer to the Rates and Timings section under corn and peanuts. DO NOT plant to rotational crops other than peanuts, field corn, seed corn, or popcorn within 30 days of the last application of TOUGH 3.75 EC.

DO NOT apply this product through any type of irrigation equipment.

### **FIELD CORN, SEED CORN\* AND POPCORN\***

Field corn is tolerant to TOUGH 3.75 EC at all stages of development. TOUGH 3.75 EC may be applied postemergence on field corn, seed corn and popcorn up to 68 days prior to harvest. Timing of application must be based on the stage of weed growth for optimum weed control and minimal competition to the crop.

\* Do not apply TOUGH 3.75 EC to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of TOUGH 3.75 EC on your inbred line or variety of seed corn or popcorn. This precaution will help avoid potential injury of sensitive varieties.

Do not graze or otherwise feed treated corn grain, forage or fodder to livestock within 68 days of application of TOUGH 3.75 EC.

#### **GENERAL WEED LIST**

This is a general list of weed species which may be treated with TOUGH 3.75 EC in corn as recommended under the rates and timing sections in this label. TOUGH 3.75 EC, when applied as directed in this label, will control or suppress many annual broadleaf weeds, including but not limited to:

##### **Annuals**

- |                                 |                            |
|---------------------------------|----------------------------|
| Amaranth, Palmer (Carelessweed) | Mayweed chamomile          |
| Amaranth, spiny (Spiny pigweed) | Nightshade, American black |
| Bedstraw, catchweed             | Nightshade, black          |
| Burcucumber                     | Nightshade, eastern black  |
| Carpetweed                      |                            |

Chickweed, common  
Cocklebur, common  
Corn, chamomile  
Corn, spurry  
Deadnettle, purple  
Deadnettle, spotted  
Galinsoga, hairy  
Galinsoga, small flower  
Henbit  
Jimsonweed  
Kochia  
Kochia, triazine resistant  
Kochia, ALS resistant\*  
Lambsquarters, common  
Lambsquarters, c., triazine resistant

Nightshade, purple  
Nightshade, silverleaf  
Pigweed, fringed  
Pigweed, prostrate  
Pigweed, redroot  
Pigweed, smooth  
Pigweed, tumble  
Pigweed, triazine resistant  
Pigweed, ALS resistant\*  
Purslane, common  
Shepherdspurse  
Sunflower, common  
Sunflower, volunteer  
Thistle, Russian  
Waterhemp, tall  
Waterhemp, common  
Yellow rocket

\*ALS (acetolactate synthase) resistant weeds include those weeds resistant to the sulfonylurea (e.g. Classic® and Glean®) and/or imidazolinone (e.g. Scepter® and Pursuit®) family of herbicides.

For best performance apply TOUGH 3.75 EC when weeds are small (by the 4 leaf stage) and actively growing.

#### SEDGES

Nutsedge, yellow

Nutsedge, purple

SPECIAL USE DIRECTIONS for yellow and purple nutsedge suppression:

Apply 2 pints of TOUGH 3.75 EC with 2 pints of Atrazine 4L (or the equivalent 90DF) per treated acre when sedges are 6 to 8 inches high for significant yellow and purple nutsedge suppression. The addition of a crop oil concentrate is recommended for improved activity. TOUGH 3.75 EC will burn back the top growth of the sedges. Regrowth may occur. Sedges ~~should~~must be actively growing without stress for optimum results.

#### RATES AND TIMINGS

TOUGH 3.75 EC may be applied postemergence up to 68 days before harvest.

TOUGH 3.75 EC at 1 to 2 pints per treated acre may be applied to actively growing broadleaf weeds at any stage of corn growth after emergence in all tillage systems (conventional, no tillage, or reduced tillage). Split applications of TOUGH 3.75EC may be made, but do not exceed applying a total of 2 pints per treated acre per year. Consult application section of this label for best application timing for achieving optimum weed control.

8-7-14

### TANK MIX TREATMENTS IN CORN

TOUGH 3.75 EC may be tank mixed with one or more of, but not limited to, the following herbicides for control of additional broadleaf weeds and/or grasses. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.

Adjuvants (nonionic surfactants, crop oil or liquid fertilizer) may be used with TOUGH 3.75 EC tank mixes where required by tank mix partners specified in this label. Read and carefully follow all restrictions and recommendations of tank mix partners. Use of tank mix partners is only allowed where permitted in each State.

Tank mixing TOUGH 3.75 EC with other corn herbicides offers many benefits including greater weed control spectrum, adding products with different modes of action to reduce or delay the development of herbicide resistance by weeds, and optimizing performance of tank mix partners thus allowing a lower use rate of each as directed in the label. Optimization of performance is particularly beneficial when tank mixing a residual herbicide such as atrazine thus decreasing carryover and other concerns associated with residual herbicides. Suggested tank mixes include but are not limited to:

TOUGH 3.75 EC plus Atrazine: For additional broadleaf weed control (see weed list below) apply 1 to 2 pints of TOUGH 3.75 EC with 1 to 2 pints of Atrazine 4L (or the equivalent 90DF) per treated acre. The addition of a crop oil concentrate is recommended for optimum control.

Use the lower rates of TOUGH 3.75 EC and atrazine when weeds have less than 4 leaves. For broadleaf weeds above 4 leaf stage, heavy infestation or use under adverse conditions such as drought stress, use the higher rates of TOUGH 3.75 EC and atrazine.

To control moderate infestations of escaped grasses following application of a preplant incorporated or preemergence grass herbicide, apply 1 to 2 pints of TOUGH 3.75 EC plus 2 to 3 pints of Atrazine 4L (or the equivalent 90DF) per treated acre. Applications should be made before escaped grasses reach the 3 leaf stage (1.5 inches tall). The addition of a crop oil concentrate is recommended for optimum control of escaped grasses.

Follow all label restrictions as well as state and local restrictions on atrazine use.

Additional broadleaf weeds controlled with TOUGH 3.75 EC /Atrazine tank mix:

- |                          |                         |
|--------------------------|-------------------------|
| Anoda, spurred           | Morningglory, tall      |
| Buckwheat, wild          | Mustard, white          |
| Knotweed, prostrate      | Mustard, wild           |
| Lady's thumb             | Ragweed, common         |
| Morningglory, entireleaf | Sicklepod               |
| Morningglory, ivyleaf    | Sida, prickly (Teaweed) |
| Morningglory, pitted     | Smartweed, green        |
| Morningglory, red        | Smartweed, Pennsylvania |
|                          | Velvetleaf              |



9/21/17

**TOUGH 3.75 EC plus Bladex® (cyanazine):** For additional broadleaf weed control (see weed list under TOUGH 3.75 EC plus atrazine tank mix) apply 1 pint of TOUGH 3.75 EC with 1 to 1.75 pounds of Bladex 90DF per treated acre. TOUGH 3.75 EC at a rate of 1 to 2 pints with 1 to 1.75 pounds of Bladex 90DF per treated acre will control susceptible grasses, such as barnyardgrass, crabgrass, most foxtail species, fall panicum, Texas panicum, witchgrass, etc. up to the 3 leaf stage (1.5 inches tall).

**NOTE:** Do not tank mix with Bladex 4L as crop injury may result. Do not apply if the fifth leaf of corn is visible. Do not apply during cool, wet conditions or when corn is under stress. Do not use on sandy soils with less than 1% organic matter. Do not use crop oil concentrates with this tank mix combination as crop injury may result.

Read Bladex label for further cautions and recommendations on proper use to prevent crop injury.

**TOUGH 3.75 EC Plus Guardsman® (dimethenamid + atrazine):** Apply 1 to 2 pints of TOUGH 3.75 EC with the recommended labeled rate of Guardsman per treated acre early postemergence (up to 8 inch corn). Apply this mixture before grasses are greater than 1.5 inches tall. Crop oil concentrate may be added to this mixture to optimize grass control.

**TOUGH 3.75 EC plus Accent® (nicosulfuron):** Apply 1 to 2 pints of TOUGH 3.75 EC with the recommended labeled rate of Accent per treated acre for broad spectrum weed control. The addition of crop oil concentrate or a nonionic surfactant is recommended for optimum weed control. Atrazine 4L at 1 to 2 pints per treated acre may be added to enhance control of velvetleaf and ragweed.

**TOUGH 3.75 EC plus Beacon® (primisulfuron):** Apply 1 to 2 pints of TOUGH 3.75 EC with the recommended labeled rate of Beacon per treated acre for broad spectrum weed control. The addition of crop oil concentrate or a nonionic surfactant is recommended for optimum weed control.

**TOUGH 3.75 EC plus Accent and Beacon:** Apply 1 to 2 pints of TOUGH 3.75 EC with 0.33 ounce of Accent and 0.38 ounce of Beacon per treated acre for broad spectrum weed control. The addition of crop oil concentrate is recommended for optimum weed control.

**TOUGH 3.75 EC plus Exceed® (prosulfuron + primisulfuron):** Apply 1 to 2 pints of TOUGH 3.75 EC with the recommended labeled rate of Exceed per treated acre for broad spectrum weed control. The addition of crop oil concentrate or a nonionic surfactant is recommended for optimum weed control.

**TOUGH 3.75 EC plus Permit® (halosulfuron):** Apply 1 to 2 pints of TOUGH 3.75 EC with the recommended labeled rate of Permit per treated acre for broad spectrum weed control. A nonionic surfactant is recommended for optimum weed control.

**TOUGH 3.75 EC plus Frontier® (dimethenamid) and Accent:** Apply 1 to 2 pints of TOUGH 3.75 EC with the recommended labeled rate of Frontier and 0.33 to 0.66

ounce of Accent per treated acre for broad spectrum weed control. This tank mix may be applied early postemergence up to 8 inch tall corn when weeds are emerged and actively growing. A reduced rate of Accent (0.33 ounce/A) may be used in the mixture for control of foxtail species, barnyardgrass, fall panicum or seedling johnsongrass when all are less than 3 inches tall. The addition of crop oil concentrate is recommended for optimum weed control. Atrazine 4L at 1 to 2 pints per treated acre may be added to enhance control of velvetleaf and ragweed.

**TOUGH 3.75 EC plus Banvel® (dicamba):** Apply 1 to 1.5 pints of TOUGH 3.75 EC with 0.5 to 1.0 pint of Banvel per treated acre for additional broadleaf weed control.

**TOUGH 3.75 EC plus Clarity® (diglycolamine salt of 3,6-dichloro-o-anisic acid):** Apply 1 to 1.5 pints of TOUGH 3.75 EC with 8 to 16 fl oz of Clarity per treated acre for additional broadleaf weed control.

**TOUGH 3.75 EC plus Marksman® (dicamba + atrazine):** Apply 1 to 1.5 pints of TOUGH 3.75 EC with 2 to 3.5 pints of Marksman per treated acre for additional broadleaf weed control.

**TOUGH 3.75 EC plus Sencor® (metribuzin):** Apply 1 to 2 pints of TOUGH 3.75 EC with 1 to 2 ounces of Sencor DF (or the equivalent 4L) per treated acre for additional broadleaf weed control.

**TOUGH 3.75 EC plus Resource® (flumiclorac pentyl ester):** Apply 1 to 2 pints of TOUGH 3.75 EC with 4 to 8 fl oz of Resource per treated acre for additional broadleaf weed control. The addition of crop oil concentrate is recommended for optimum weed control.

**TOUGH 3.75 EC plus 2,4-D amine(amine or ester formulations):** Add the recommended label rate of 2,4-D to TOUGH 3.75 EC, or tank mixtures with TOUGH 3.75 EC, to enhance broadleaf activity.

NOTE: Some products available for tank mixing with TOUGH 3.75 EC may cause injury to corn when applied. Consult labels of all products used for restrictions, injury descriptions, and recovery intervals.

### PEANUTS

Peanut plants are very tolerant to TOUGH 3.75 EC at all stages of development. Timing of application must be based on the stage of weed growth for optimum weed control and minimal competition to the crop.

Adjuvants (non-ionic surfactants, crop oil or liquid fertilizer) are prohibited for use with TOUGH 3.75 EC when used in peanuts. Adjuvants (nonionic surfactants, crop oil or liquid fertilizer) may be used with TOUGH 3.75 EC tank mixes where required by tank mix partners specified in this label. Read and carefully follow all restrictions and recommendations of tank mix partners. Use of tank mix partners is only allowed where permitted in each State.

Do not graze or otherwise feed treated peanut hay and vines to livestock.

**GENERAL WEED LIST**

This is a general list of weed species which may be treated with TOUGH 3.75 EC in peanuts as recommended under the rates and timing sections in this label. TOUGH 3.75 EC, when applied as directed in this label, will control or suppress many annual broadleaf weeds, including but not limited to:

**Annuals**

- |                                 |                        |
|---------------------------------|------------------------|
| Amaranth, Palmer (Carelessweed) | Nightshade, purple     |
| Amaranth, spiny (Spiny pigweed) | Nightshade, silverleaf |
| Beggarweed, Florida             | Pigweed, fringed       |
| Carpetweed                      | Pigweed, prostrate     |
| Chickweed, common               | Pigweed, redroot       |
| Cocklebur, common               | Pigweed, smooth        |
| Eclipta                         | Pigweed, tumble        |
| Hemp sesbania                   | Purslane, common       |
| Jimsonweed                      |                        |
| Lambsquarters, common           |                        |
| Nightshade, American black      | Senna, coffee          |
| Nightshade, black               |                        |
| Nightshade, Eastern black       |                        |

For best performance, apply TOUGH 3.75 EC when weeds are small (by the 4 leaf stage) and actively growing.

**Sedges**

- |                  |                  |
|------------------|------------------|
| Nutsedge, yellow | Nutsedge, purple |
|------------------|------------------|

**SPECIAL USE DIRECTIONS** for yellow and purple nutsedge suppression: Apply 2-3 pints of TOUGH 3.75 EC when sedges are 6 to 8 inches high for significant yellow and purple nutsedge suppression. The addition of a crop oil concentrate is recommended for improved activity. TOUGH 3.75 EC will burn back the top growth of the sedges. Regrowth may occur. Sedges should must be actively growing without stress for optimum results.

**RATES AND TIMINGS**

TOUGH 3.75 EC may be applied to emerged weeds in peanuts from cracking to 68 days before harvest.

TOUGH 3.75 EC is recommended to be used as part of a sequential and seasonal peanut herbicide program. Depending upon the weed spectrum and emergence, it should be applied at cracking or postemergence following a standard recommended preplant, preplant incorporated, preemergence or other at-cracking programs of such herbicides as: Balan® EC, Vernam® 7E, Dual® 8E, Sonalan®, and Prowl® 3.3EC. See all labels of products used for specific rates and timings.

12/1/14

Apply TOUGH 3.75 EC at 2 to 3 pints per treated acre to emerged actively growing target weeds in the 2 to 4 leaf stage and up to 3 inches in height Split applications of TOUGH 3.75 EC may be made, but do not exceed applying a total of 4 pints per treated acre per year. Consult application section of this label for best application timing for achieving optimum weed control.

**TANK MIX TREATMENTS IN PEANUTS**

TOUGH 3.75 EC may be tank mixed with one or more of, but not limited to the following herbicides for control of additional broadleaf weeds and/or grasses. Tank mixing allows greater flexibility and a broader spectrum of weed control. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions. Suggested tank mixes include but are not limited to:

**TOUGH 3.75 EC plus 2,4-DB amine:** For broad spectrum broadleaf weed control, apply 2 to 3 pints of TOUGH 3.75 EC with 0.2 to 0.25 lbs acid equivalent of 2,4-DB per treated acre. A nonionic surfactant or crop oil concentrate may be added to improve weed control. The addition of spray additives will increase the hormonal 2,4-DB response in peanuts. In areas where lambsquarters and pigweed are the primary weed problems, apply 1.5 pints of TOUGH 3.75 EC tank mixed with 0.2 to 0.25 lbs acid equivalent of 2,4-DB per treated acre.

Additional broadleaf weeds controlled with TOUGH 3.75 EC plus 2,4-DB:

- |                          |                           |
|--------------------------|---------------------------|
| Anoda, spurred           | Morningglory, smallflower |
| Morningglory, entireleaf | Morningglory, tall        |
| Morningglory, ivyleaf    | Mallow, venice            |
| Morningglory, red        | Sida, prickly (Teaweed)   |
| Morningglory, palmleaf   | Sicklepod                 |
| Morningglory, pitted     | Watermelon, wild          |
| Ragweed, common          | Velvetleaf                |
| Ragweed, giant           |                           |

**TOUGH 3.75 EC plus Dual 8E (metolachlor):** For grass control, apply 2 pints of TOUGH 3.75 EC with the recommended label rate of Dual 8E per treated acre at cracking and before grass emergence.

**TOUGH 3.75 EC plus Basagran® (bentazon):** For additional broadleaf weed control and nutsedge activity, apply 2 to 3 pints of TOUGH 3.75 EC with 1 to 2 pints of Basagran per treated acre. The addition of crop oil concentrate is recommended for optimum weed control.

**TOUGH 3.75 EC plus Blazer® (acifluorfen):** Apply 1 to 2 pints of TOUGH 3.75 EC with 1 to 1.5 pints of Blazer per treated acre for additional broadleaf control. The addition of a nonionic surfactant or a crop oil concentrate is recommended for optimum weed control.

**TOUGH 3.75 EC plus Storm® (acifluorfen + bentazon):** Apply 1 to 2 pints of TOUGH 3.75 EC with 1 to 1.5 pints of Storm per treated acre for additional broadleaf weed

1-2-11

control. The addition of a nonionic surfactant or crop oil concentrate is recommended for optimum weed control.

TOUGH 3.75 EC plus Pursuit® (imazethapyr): Apply 1 to 2 pints of TOUGH 3.75 EC with 2 to 4 fluid ounces of Pursuit per treated acre for additional broadleaf weed control. The addition of a nonionic surfactant or crop oil concentrate is recommended for optimum weed control.

TOUGH 3.75 EC plus Starfire® (paraquat dichloride): Apply 1 to 2 pints of TOUGH 3.75 EC with 11 fluid ounces of Starfire per treated acre for additional broadleaf weed control. The addition of a nonionic surfactant is recommended for optimum weed control.

NOTE: Some products available for tank mixing with TOUGH 3.75 EC may cause injury to peanuts when applied. Consult labels of all products used for restrictions, injury descriptions, and recovery intervals.

#### STORAGE AND DISPOSAL

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

##### Storage

Store unused product in original container only in cool, dry area out of reach of children and animals. Keep storage locked.

##### Pesticide Disposal

Wastes resulting from the use of this product may be disposed on site or at an approved disposal facility.

##### Container Disposal

Triple rinse (or equivalent) adding rinsate to spray tank, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY

NOTICE: Read this Limitation of Warranty and Limitation of Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. It is impossible to eliminate all risks inherently 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 Sandoz or seller. All such risks shall be assumed by buyer or user. Sandoz warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, under normal use conditions, subject to the risks described above. Sandoz makes no other express or implied warranty of fitness or of merchantability or any other express or

implied warranty. In no event shall Sandoz or seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. The exclusive remedy of the user or buyer, and the exclusive liability of Sandoz or seller for any and all claims, losses, injuries or damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of Sandoz or seller, the replacement of the product. Sandoz and seller offer this product, and buyer and user accept it, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.

**REGISTERED TRADEMARKS**

• Accent®, Bladex®, Classic®, and Glean® are registered trademarks of E. I. DuPont de Nemours & Co.

Balan® is a registered trademark of Dow Elanco Co.

Banvel®, Clarity®, Frontier®, Guardsman®, Marksman® and TOUGH® are registered trademarks of Sandoz, Ltd.

Basagran®, Blazer®, and Storm® are registered trademarks of BASF Corp.

Dual®, Beacon®, and Exceed® are registered trademarks of Ciba Geigy Corp.

Prowl®, Pursuit®, and Scepter® are registered trademarks of American Cyanamid Co.

Sencor® is a registered trademark of Bayer Inc.

Permit® is a registered trademark of, and used under license from, Nissan Chemical Industries, Ltd.

Resource® is a registered trademark of Valent U.S.A. Corp.

Starfire® is a registered trademark of a Zeneca Group Company.

Vernam® is a registered trademark of Drexel Chemical Corp.