	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <b>NOTIFICATION</b>
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**Application for Pesticide - Section I**

1. Company/Product Number 100-875	2. EPA Product Manager Jim Tompkins	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Tough 3.75EC Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____

**Section - II**

<input type="checkbox"/> Amendment - Explain below.  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application.  <input type="checkbox"/> Other - Explain below.
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**NOTIFICATION**

MAR - 2 2001


**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. The following changes are being made via this notification: 1) Company name and address have been updated to reflect Syngenta Crop Protection, Inc. 2) The Conditions of Sale and Warranty statement has been changed to reflect the name change. Because Syngenta has been formed by the merger of Novartis Crop Protection, Inc. and Zeneca Ag Products, we have chosen to use the former Zeneca warranty statement as the Syngenta warranty statement. No other changes occur in the statement other than the name change. 3) The copyright date reflects Syngenta. 4) Trademark statements have been updated to reflect Syngenta for those products for which Syngenta holds the trademark. 5) The Internet address has been changed to reflect Syngenta. 6) Other places in the label which referring to the company name have been updated.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per Container	If "Yes" Unit Packaging wgt.    No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Nan S. Padgett	Title Label Group Leader	Telephone No. (Include Area Code) 836-632-7567	
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Label Group Leader	
4. Typed Name Nan S. Padgett		5. Date February 26, 2001	

NOTIFICATION

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PULL HERE TO OPEN ►

NOTIFICATION

MAR - 2 2001

# TOUGH®



## 3.75 EC

### HERBICIDE

For the postemergence control of annual weeds in peanuts and corn

KEEP OUT OF REACH OF CHILDREN.

### WARNING/AVISO

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.)

See additional precautionary statements and directions for use inside booklet.

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.

EPA Reg. No. 100-875

EPA Est. 407-IA-2

Made in Austria

SCP 875A-L1A 0201

2.5 GALLONS  
U.S. Standard Measure

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product to the place of purchase, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE. In no event shall SYNGENTA 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 SYNGENTA AND 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

### DIRECTIONS FOR USE

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

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. 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.**

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, such as viton or barrier laminate
- Shoes plus socks
- Protective eyewear

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

### GENERAL INFORMATION

Tough 3.75 EC is a 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 lbs. of pyridate per gal. 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 4-7 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 1-2 hours after application has little effect on the degree of control.

**Mixing Instructions:** 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 ensure a uniform spray mixture.

# Tough® 3.75 EC

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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 gals./A 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.

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 to plants that are stressed or that will suffer due to adverse weather conditions.

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 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 post-emergence 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 Timings** section 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)	Galinsoga, hairy	Nightshade, American black	Pigweed, triazine resistant
Amaranth, spiny (Spiny pigweed)	Galinsoga, small flower	Nightshade, black	Pigweed, ALS resistant*
Bedstraw, catchweed	Henbit	Nightshade, eastern black	Purslane, common
Burcucumber	Jimsonweed	Nightshade, purple	Shepherdspurse
Carpetweed	Kochia	Nightshade, silverleaf	Sunflower, common
Chickweed, common	Kochia, triazine resistant	Pigweed, fringed	Sunflower, volunteer
Cocklebur, common	Kochia, ALS resistant*	Pigweed, prostrate	Thistle, Russian
Corn, chamomile	Lambsquarters, common	Pigweed, redroot	Waterhemp, tall
Corn, spurry	Lambsquarters, c., triazine resistant	Pigweed, smooth	Waterhemp, common
Deadnettle, purple	Mayweed chamomile	Pigweed, tumble	Yellow rocket
Deadnettle, spotted			

# Tough® 3.75 EC

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\*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 pts. of Tough 3.75 EC with 2 pts. of atrazine (4L or the equivalent of 90 DF) per treated acre when sedges are 6-8 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 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 1-2 pts. 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 3.75 EC may be made, but do not exceed a total of 2 pts. per treated acre per year. Consult the Application section of this label for best application timing for achieving optimum weed control.

## 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 + Atrazine:** For additional broadleaf weed control (see weed list below), apply 1-2 pts. of Tough 3.75 EC with 1-2 pts. of Atrazine (4L or the equivalent of 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 pre-emergence grass herbicide, apply 1-2 pts. of Tough 3.75 EC plus 2-3 pts. of atrazine (4L or the equivalent of 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, ivyleaf	Mustard, white	Smartweed, green
Buckwheat, wild	Morningglory, pitted	Mustard, wild	Smartweed, Pennsylvania
Knotweed, prostrate	Morningglory, red	Ragweed, common	Velvetleaf
Lady's Thumb	Morningglory, tall	Sicklepod	
Morningglory, entire leaf		Sida, prickly (teaweed)	

**Tough 3.75 EC + Bladex® (cyanazine):** For additional broadleaf weed control (see weed list under Tough 3.75 EC plus atrazine tank mix), apply 1 pt. of Tough 3.75 EC with 1-1.75 lbs. of Bladex® 90DF per treated acre. Tough 3.75 EC at a rate of 1-2 pts. with 1-1.75 lbs. 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).

**Precautions:** Do not tank-mix with Bladex, 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 + Guardsman® (dimethenamid + atrazine)

Apply 1-2 pts. 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 + Accent® (nicosulfuron)**

Apply 1-2 pts. of Tough 3.75 EC with the recommended labeled rate of Accent per treated acre for broad spectrum weed control. The addition of a crop oil concentrate or a nonionic surfactant is recommended for optimum weed control. Atrazine 4L at 1-2 pts. per treated acre may be added to enhance control of velvetleaf and ragweed.

**Tough 3.75 EC + Beacon® (primisulfuron)**

Apply 1-2 pts. of Tough 3.75 EC with the recommended labeled rate of Beacon per treated acre for broad spectrum weed control. The addition of a crop oil concentrate or a nonionic surfactant is recommended for optimum weed control.

**Tough 3.75 EC + Accent and Beacon**

Apply 1-2 pts. of Tough 3.75 EC with 0.33 oz. of Accent and 0.38 oz. of Beacon per treated acre for broad spectrum weed control. The addition of a crop oil concentrate is recommended for optimum weed control.

**Tough 3.75 EC + Exceed® (prosulfuron + primisulfuron)**

Apply 1-2 pts. of Tough 3.75 EC with the recommended labeled rate of Exceed per treated acre for broad spectrum weed control. The addition of a crop oil concentrate or a nonionic surfactant is recommended for optimum weed control.

**Tough 3.75 EC + Permit® (nicosulfuron)**

Apply 1-2 pts. 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 + Frontier® (dimethenamid) and Accent**

Apply 1-2 pts. of Tough 3.75 EC with the recommended labeled rate of Frontier and 0.33 to 0.66 oz. of Accent per treated acre for broad spectrum weed control. This tank mix may be applied early post-emergence (up to 8-inch tall corn) when weeds are emerged and actively growing. A reduced rate of Accent (0.33 oz./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 a crop oil concentrate is recommended for optimum weed control. Atrazine 4L at 1-2 pts. per treated acre may be added to enhance control of velvetleaf and ragweed.

**Tough 3.75 EC + Banvel® (dicamba)**

Apply 1-1.5 pts. of Tough 3.75 EC with 0.5-1.0 pt. of Banvel per treated acre for additional broadleaf weed control.

**Tough 3.75 EC + Clarity® (diglycolamine salt of 3,6-dichloro-o-anisic acid)**

Apply 1-1.5 pts. of Tough 3.75 EC with 8-16 fl. oz. of Clarity per treated acre for additional broadleaf weed control.

**Tough 3.75 EC + Marksman® (dicamba + atrazine)**

Apply 1-1.5 pts. of Tough 3.75 EC with 2-3.5 pts. of Marksman per treated acre for additional broadleaf weed control.

**Tough 3.75 EC + Sencor® (metribuzin)**

Apply 1-2 pts. of Tough 3.75 EC with 1-2 ozs. of Sencor DF (or the equivalent of 4L) per treated acre for additional broadleaf weed control.

**Tough 3.75 EC + Resource® (flumiclorac pentyl ester)**

Apply 1-2 pts. of Tough 3.75 EC with 4-8 fl. ozs. of Resource per treated acre for additional broadleaf weed control. The addition of a crop oil concentrate is recommended for optimum weed control.

**Tough 3.75 EC + 2,4-D (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.

*Precaution: 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 (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 Timings** section 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:

# Tough® 3.75 EC

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## Annuals

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

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 pts. of Tough 3.75 EC when sedges are 6-8 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 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 program 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.

Apply Tough 3.75 EC at 2-3 pts. 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 a total of 4 pts. 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 + 2,4-DB amine:** For broad spectrum broadleaf weed control, apply 2-3 pts. of Tough 3.75 EC with 0.2-0.25 lb. acid equivalent or 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 pts. of Tough 3.75 EC tank-mixed with 0.2-0.25 lb. acid equivalent of 2,4-DB per treated acre.

## Additional broadleaf weeds controlled with Tough 3.75 EC + 2,4-DB

Anoda, spurred	Morningglory, palmleaf	Morningglory, tall	Sida, prickly (Teaweed)
Morningglory, entire leaf	Morningglory, pitted	Mallow, venice	Sicklepod
Morningglory, ivyleaf	Morningglory, small flower	Ragweed, common	Velvetleaf
Morningglory, red		Ragweed, giant	Watermelon, wild

## Tough 3.75 EC + Dual 8E (metolachlor)

For grass control, apply 2 pts. 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 + Basagran® (bentazon)

For additional broadleaf weed control and nutsedge activity, apply 2-3 pts. of Tough 3.75 EC with 1-2 pts. of Basagran per treated acre. The addition of a crop oil concentrate is recommended for optimum weed control.

## Tough 3.75 EC + Blazer® (acifluorfen)

Apply 1-2 pts. of Tough 3.75 EC with 1-1.5 pts. 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 + Storm® (acifluorfen + bentazon)

Apply 1-2 pts. of Tough 3.75 EC with 1-1.5 pts. of Storm 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 + Pursuit® (imazethapyr)

Apply 1-2 pts. of Tough 3.75 EC with 2-4 fl. oz. 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 + Starfire® (paraquat dichloride)

Apply 1-2 pts. of Tough 3.75 EC with 11 fl. oz. of Starfire per treated acre for additional broadleaf weed control. The addition of a nonionic surfactant is recommended for optimum weed control.

*Precaution: 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 disposal.

**Agricultural Chemical:** Do not ship or store with foods, feeds, drugs, or clothing.

### 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 of 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.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### WARNING/AVISO

Harmful if swallowed. Harmful if absorbed through the 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### 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 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. May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagoscopic control.

### 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:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as viton or barrier laminate
- Shoes plus socks
- Protective eyewear

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:**

- 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 contaminate water intended for irrigation or domestic purposes. Runoff may adversely affect non-target 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 wash waters. This pesticide is toxic to estuarine organisms.

### Physical and Chemical Hazards

Keep away from heat or open flame.



# Tough® 3.75 EC

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Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409

www.syngenta-us.com

SCP 875A-L1A 0201

## TOUGH® 3.75 EC HERBICIDE

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.

See directions for use in attached booklet.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-875

EPA Est. 407-1A-2

Made in Austria

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Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
www.syngenta-us.com

SCP 875A-L1A 0201

2.5 GALLONS  
U.S. Standard Measure

## KEEP OUT OF REACH OF CHILDREN. WARNING/AVISO

### Precautionary Statements

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#### Environmental Hazards

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#### Physical and Chemical Hazards

Keep away from heat or open flame.

#### Chemigation Prohibition

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

#### Container Disposal

Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

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