

 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration (under FIFRA, as amended)</p>	<p>EPA Reg. Number: 5481-524</p>	<p>Date of Issuance: AUG 10 2005</p> <p>Expiration Date: July 31, 2008</p>
	<p>Term of Issuance: Conditional</p>	
	<p>Name of Pesticide Product: Topramezone SC Herbicide</p>	
<p>Name and Address of Registrant (include ZIP Code): Amvac Chemical Corp. 4695 MacArthur Court, Suite 1250 Newport Beach, CA 92660</p>		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(C) provided that you:</p> <ol style="list-style-type: none"> 1. Make the following label changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase, "EPA Reg. No. 5481-524". b. According to our records the CAS chemical name for topramezone is: [3-(4,5-dihydro-3-isoxazolyl)-2-methyl-4-(methylsulfonyl)phenyl](5-hydroxy-1-methyl-1H-pyrazol-4-yl)methanone. <p>Correct the ingredient declaration.</p> 		
<p>Signature of Approving Official: <i>Joanne J Miller</i></p>	<p>Date: AUG 10 2005</p>	

c. The referral statement states "See Inside Booklet For Complete Precautionary Statements....". 40 CFR 156.10(i)(1)(ii) states that only the directions for use may appear on printed or graphic matter which accompanies the pesticide. If all of the Precautionary Statements and First Aid Statements cannot appear on the container label due to size constraints, you should formally submit a request for a size exemption from the regulations.

d. When final printed labels are prepared assure that all of the Agricultural Use Requirements text appears inside its box.

e. We could not find the brand names Degree, Laddok and Permit in our computer records. Assure that all tank mix products listed on the labeling are registered for application to corn.

f. Policy and Criteria Notice 2163.1 states that the Agency will not conduct a detailed review of such liability disclaimers or purported buyer agreement to assume risk; the approval of labels with such statements should not be construed as a decision by the Agency that the language is not misleading and that the label language might eventually have to change.

g. To mitigate adverse effects to non-target plants, add a restriction that specifies a 30 foot untreated buffer between treatment area and native plant communities.

2. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on field corn is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1, and ends September 30. The product information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information is to be submitted to:

Registration Support Branch
Registration Division (7505C)
Environmental Protection Agency
Washington, DC 20460

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

4. Submit by July 31, 2008 the following Studies conducted on accordance with the Good Laboratory Practice Standards, 40 CFR Part 160 and appropriate test guidelines as referenced in EPA's Data Requirements for Registration Regulations, 40 CFR Part 158:

- a. Five batch analysis of technical produced on commercial scale
- b. Aerobic Soil Metabolism (162-4)
- c. Anaerobic Aquatic Metabolism (162-3)
- d. Mobility in Soils (163-1)
- e. Frozen Storage Stability
- f. Avian Subacute Dietary (71-2(a))
- g. Avian Reproduction (71-4(a))
- h. Avian Reproduction (71-4(b))
- i. Aquatic Invertebrate Life-Cycle (72-4(b))
- j. Aquatic Plant Growth (Tier 2) (123-2)
- k. Seedling Emergence (Tier 2) (123-1(a))
- l. Vegetative Vigor (Tier 2) 123-1(b)
- m. Adequate storage stability data in the plant and livestock metabolism studies.

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 constitutes acceptance of these conditions.

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

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

4/11

TOPRAMEZONE SC

HERBICIDE

For postemergence weed control in field corn (grown for grain, silage or seed), popcorn and sweet corn.

Active Ingredient:

Topramezone [3-(4,5-Dihydro-isoxazol)-4-methansulfonyl-2-methyl-phenyl]- (5-hydroxy-1-methyl-1H-pyrazol-4-yl)methanone.....	29.7%
Inert Ingredients:	<u>70.3%</u>
Total:	100.0%

(1 gallon contains 2.8 pounds of TOPRAMEZONE free acid)

EPA Registration Number 5481-pending EPA Est. Number: _____

KEEP OUT OF REACH OF CHILDREN.

CAUTION!/PRECAUCION!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail).

**In case of emergency endangering life or property involving this product,
call day or night 1-323-264-3910.**

See inside booklet for complete **Precautionary Statements, Statement of Practical Treatment, Directions for Use, and Conditions of Sale and Warranty.**

Net contents: 1 gallon (3.785 liters)

Amvac Chemical Corporation
4100 E. Washington Boulevard, Los Angeles, CA. 90023

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
AUG 10 2005**

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

5481-524

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • 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.

HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
Transportation: CHEMTREC	1-800-424-9300
Other: AMVAC.....	1-323-264-3910

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)

Some 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 resistant category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves Category A
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and 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 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 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Environmental Hazards

DO NOT apply directly to water, or areas where surface water is present, or to inter-tidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment wash water. DO NOT apply this product through any type of irrigation system.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsate.

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 Category A
- Shoes plus socks

6/11

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store product in original container only. Store product in a cool, dry place. Do not store this product under wet conditions. If this product has been stored where freezing temperatures have occurred, agitate or mix contents of container well before use. Avoid cross-contamination with other pesticides.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke. Do not reuse container.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

- CHEMTREC 1-800-424-9300
- AMVAC 1-323-264-3910

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- AMVAC 1-323-264-3910

I. General Information

TOPRAMEZONE SC is a systemic postemergence herbicide for selective control of broadleaf weeds and control or suppression of grasses in field corn (grown for grain, silage or seed), popcorn and sweet corn. This product may be used on conventional and herbicide resistant/tolerant corn hybrids. AMVAC has not tested all sweet corn or popcorn hybrids or seed corn inbred lines for tolerance to **TOPRAMEZONE SC**. Contact your local seed supplier to obtain information regarding the tolerance of your specific sweet corn or popcorn hybrids or your seed corn inbred lines to herbicides, before using **TOPRAMEZONE SC**.

When applied as directed at the postemergence broadcast rate of 0.5 to 1.0 fluid ounce per acre. **TOPRAMEZONE SC** herbicide will control or suppress the weeds listed in **Table 1** and **Table 2**.

For best performance it is recommended that **TOPRAMEZONE SC** herbicide be tank mixed with 0.25 to 0.50428r1_TOPRAMEZONE SC.

1.0 pound active of atrazine herbicide per acre and other additives (See section III and V for more details).

Table 1. Broadleaf Weed List, Including ALS¹, glyphosate and Triazine-Resistant Biotypes

Annual Broadleaf Weeds	Maximum Size (Inches) ²
Amaranth, Palmer	6
Carpetweed	6
Cocklebur, Common	8
Jimsonweed	6
Kochia	6
Lambsquarters, Common	6
Mallow, Venice	3 ³
Morningglory sp.	6 ³
Mustard sp.	6
Nightshade, Black	6
Nightshade, Eastern Black	6
Nightshade, Hairy	6
Pigweed, Prostrate	6
Pigweed, Redroot	6
Pigweed, Smooth	6
Pigweed, Tumble	4
Ragweed, Common	6
Ragweed, Giant	8
Sida, Prickly	3
Smartweed, Ladysthumb	3
Smartweed, Pennsylvania	3
Sunflower, Volunteer	8
Sunflower, Wild (common)	8
Thistle, Canada	6 ³
Velvetleaf	8
Waterhemp, Common	6
Waterhemp, Tall	6

¹ALS (acetolactate synthase) resistant weeds include those weeds resistant to the sulfonylurea (e.g., **Spirit™** and **Exceed®**), imidazolinone (e.g., **Lightning®**), or sulfonamide (e.g., **Python™**) family of herbicides.

²For best performance, spray before weeds exceed the maximum stem height or vine length listed.

³Partially controlled or suppressed.

Table 2. Annual Grass List, Including ALS¹-Resistant Biotypes

Annual Grasses	Maximum Leaf Stage ²	Maximum Size (Inches) ²
Barnyardgrass	4	4
Crabgrass, Large	4	3
Crabgrass, Smooth	4	3
Cupgrass, Woolly	3 ³	3 ³
Foxtail, Giant	4	4
Foxtail, Green	3 ³	3 ³
Foxtail, Yellow	3 ³	3 ³
Goosegrass	4	3
Johnsongrass, Seedling	3 ³	4 ³
Millet, Wild-Proso	3 ³	3 ³
Panicum, Fall	3 ³	3 ³
Signalgrass, Broadleaf	3 ³	3 ³

¹ALS-resistant weeds include those weeds resistant to the sulfonylurea (e.g., **Accent**[®] and **Option**[®]) family of herbicides.

²For best performance, spray before grasses exceed the maximum leaf stage and/or height listed in this table.

³Partially controlled or suppressed.

Mode of Action

TOPRAMEZONE SC is absorbed by leaves, roots, and shoots and translocated to the growing points of sensitive weeds to provide control of emerged weed.

TOPRAMEZONE SC controls weeds by inhibiting carotenoid biosynthesis (HPPD inhibitor). Temperatures and moisture conditions for active plant growth are important for optimum **TOPRAMEZONE SC** activity.

Herbicide Resistance

No resistance to **TOPRAMEZONE SC** or cross-resistance to other HPPD inhibitor herbicides is known to exist. Repeated applications of a single mode of action in a weed management plan increases the probability of selecting for naturally occurring biotypes with less susceptibility to herbicides using that mode of action. Therefore, **TOPRAMEZONE SC** should be tank mixed with a herbicide having a different mode of action and/or be used in a rotation with herbicides having a different mode of action. Other HPPD inhibitor herbicides include **Balance**[®] (isoxaflutole) and **Callisto**[™] (mesotrione).

* A weed biotype is a naturally occurring individual within a given species that has a slightly different, but distinct genetic makeup from other plants.

Crop Tolerance

TOPRAMEZONE SC should be applied during favorable growing conditions for optimum crop tolerance and weed control. Crops under environmental stress are more likely to show injury from any herbicide application. Rarely, plants under these conditions treated with **TOPRAMEZONE SC** may show some transient bleaching of the portion of the leaves intercepting the spray application. These symptoms are temporary and occur infrequently; crop growth is not affected.

Coverage

Weeds must be thoroughly covered with spray. Dense leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

Cultivation

Avoid disturbing (e.g., cultivation) treated areas for at least 7 days following application to allow best herbicide uptake, translocation, and weed control.

Insecticide Information:

TOPRAMEZONE SC may be used sequentially or in combination with all soil or foliar applied insecticides registered for use in corn.

Cleaning Spray Equipment

To avoid injury to sensitive crops, drain and clean application equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and then triple rinsing the equipment before and after applying this product.

050428r1_TOPRAMEZONE SC.

II. Application Instructions

TOPRAMEZONE SC is effective for postemergence control of annual weeds in conservation or conventional tillage production systems. Apply **TOPRAMEZONE SC** herbicide as a postemergence treatment to corn when weeds are actively growing. For optimal weed control apply **TOPRAMEZONE SC** before weeds exceed labeled height.

TOPRAMEZONE SC Application Rate and Timing:

- Apply **TOPRAMEZONE SC** at a broadcast rate of 0.5 to 1.0 fluid ounce per acre.
- Split applications of **TOPRAMEZONE SC** may be made during the growing season. Do not exceed a total of 1.0 fluid ounce per treated acre per growing season. Allow a minimum of 7 days between sequential applications of **TOPRAMEZONE SC**.
- **TOPRAMEZONE SC** can be applied postemergence up to 45 days prior to corn harvest.
- **TOPRAMEZONE SC** applications should be made with drop nozzles if the crop canopy prevents adequate weed coverage.

TOPRAMEZONE SC should be applied a minimum of one hour before rainfall or overhead irrigation.

Ground Application Methods and Equipment:

Uniformly apply with properly calibrated ground equipment in 10 or more gallons of water per acre. Use higher water volumes for fields with dense vegetation. Flat-fan nozzle tips are recommended for postemergence applications. A spray pressure of 20 to 40 psi is recommended.

Spray Drift: Do not apply when weather conditions may cause drift to adjacent crops and vegetation; injury may result if this occurs. To avoid spray drift from treated areas, do not make applications when wind speeds exceed 15 mph or during periods of temperature inversions.

Use of larger droplet sizes will reduce spray drift. Agriculturally approved drift-reducing additives may also be used.

Aerial Application Methods and Equipment:

Uniformly apply with properly calibrated aerial equipment in 2 or more gallons of water per acre. The actual minimum spray volume per acre is determined by the spray equipment used. Adequate spray volume must be used to provide accurate and uniform distribution of spray particles over the treated area and to avoid drift of spray particles to non-target areas.

To avoid injury to sensitive crops from drift, aerial applicators must adhere to the following **SPECIAL AERIAL USE DIRECTIONS AND PRECAUTIONS**.

- Nozzle height above ground must be a maximum of 10 feet.

- Nozzles must be pointed towards the rear of the aircraft. The downward angle of the nozzle should not be greater than 20 degrees.
- To minimize wing-tip vortex roll, nozzles or spray boom must not be located any closer to end of wing or rotor than three-fourths the distance from the center of the aircraft.
- Use a maximum spray pressure of 40 psi.
- A buffer zone must be established between the area to be sprayed and sensitive crops.
- DO NOT spray when wind velocity is greater than 5 mph. Coarse sprays (larger droplets) are less likely to drift.

The applicator is responsible for any loss or damage that results from spraying TOPRAMEZONE SC in a manner other than recommended in this label. In addition, applicator must follow all applicable state and local regulations and ordinances in regard to spraying.

III. Additives

Postemergence applications of TOPRAMEZONE SC require the addition of an adjuvant and a nitrogen fertilizer source to achieve optimum weed control.

I. ADJUVANTS: Unless specific recommendations are given in Section VII Tank Mixes of this label, always use a methylated seed oil (MSO) or a petroleum-based or vegetable seed-based oil concentrate (COC) with Topramezone SC. For best performance across a wide range of environmental conditions, including when weeds are under moisture and temperature stress, use of an MSO is recommended. Apply these oil based adjuvant concentrates at the rates of 1.0 to 1.5 gallons per 100 gallons of water (1.0 to 1.5%v/v). Use the higher rate when making application during periods of hot dry weather.

AND

II. NITROGEN FERTILIZER SOURCE:

Recommended nitrogen based fertilizers include urea ammonium nitrate (UAN; 28-34%) at 1.25 to 2.5 gallons per hundred gallons of water or use 10-34-0 fertilizer at a rate of 1.25 gallons per 100 gallons of water (1.25% v/v). Instead of a liquid fertilizer, spray grade ammonium sulfate (AMS) at a minimum rate of 8.5 pounds per 100 gallons of water may be used. Use the higher rate when making application during periods of hot dry weather.

Agriculturally approved drift-reducing additives may be used in applications with TOPRAMEZONE SC.

IV. Mixing Order

Liquid fertilizer as a carrier for postemergence applications of TOPRAMEZONE SC herbicide is not recommended. Use only water as a carrier.

WATER:

1. Fill the spray tank ½ to ¾ full with clean water.
2. Add the required amount of TOPRAMEZONE SC to the spray tank while agitating.
3. After the TOPRAMEZONE SC BASF 670 336SC has visibly dispersed, add spray additives and fill the remainder of the tank with water.

TANK-MIX PREPARATION:

When tank-mixing TOPRAMEZONE SC with recommended herbicides, add the other herbicides and other components in the following order, while agitating:

1. Fill spray tank ½ to ¾ full with clean water.
2. Add other soluble packet products and thoroughly mix.
3. Add TOPRAMEZONE SC and thoroughly mix.
4. Add WP (wetttable powder), DG (dispersible granule), DF (dry flowable), or LF (liquid flowable) formulations.
5. Add EC (emulsifiable concentrate) products.
6. Add adjuvant to the spray tank.
7. Add liquid fertilizer.
8. While agitating, fill the remainder of the tank with water.

V. General Tank Mixing Information

TOPRAMEZONE SC is recommended to be used sequentially or tank mixed with other herbicides as part of a complete weed control program. Tank mix recommendations are for use only in states where the sequential or tank mix product and application site are registered. Refer to section VII. **Crop Specific Information** for more details and for specific tank mix restrictions. Read and follow the applicable **Restrictions and Limitations and Directions for Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

VI. General Restrictions and Limitations

- Two applications may be made per growing season; however, no more than 1.0 fluid ounce per acre (0.022 lbs ai/acre) of **TOPRAMEZONE SC** may be applied during the growing season.
- In the event of a crop loss due to weather, any corn type can be replanted following an application of **TOPRAMEZONE SC** herbicide. If **TOPRAMEZONE SC** was tank-mixed with other herbicides, the label restrictions for these herbicides must also be followed.
- DO NOT apply **TOPRAMEZONE SC** within 45 days of corn harvest (fresh market sweet corn, silage, fodder, or grain).
- DO NOT graze or feed treated corn forage, silage, fodder, or grain for at least 45 days after an application of **TOPRAMEZONE SC**.

ROTATIONAL CROPS GUIDELINE: The following rotational crops may be planted after applying **TOPRAMEZONE SC** herbicide at the recommended rate in corn. Planting earlier than the recommended interval may result in crop injury.

Minimum Time From Application to Planting	Crops
Anytime	All field corn types, field corn grown for seed, sweet corn, popcorn
Three months	Cereal crops (wheat, barley, oats, and rye), winter canola
Nine months	Alfalfa, cotton, canola, peanuts, sorghum, soybeans, sunflower, edible beans and peas, potato
Eighteen months	All crops not listed above

VII. Crop-Specific Information

Corn (Field, Pop, Seed, and Sweet)

TOPRAMEZONE SC can be applied postemergence on all corn types and hybrids, including **Clearfield®**, **Roundup Ready®**, and **LibertyLink®** hybrids.

TOPRAMEZONE SC may be used in tank mixtures or sequential applications with other herbicides registered for use in corn.

Tank Mixes

Recommended Tank-Mixes for Postemergence Applications of TOPRAMEZONE SC include:

- 2,4-D*
- Accent®
- Atrazine
- Basagran®
- Clarity®*
- Bicep II Magnum®
- Bicep Lite II Magnum®
- Buctril®, Degree™
- Degree Xtra®
- Distinct®*
- Dual II Magnum®
- G-Max Lite™
- Guardsman Max™
- Harness®
- Harness® Xtra™
- Hornet™
- Keystone™

- Keystone™ LA
- Laddok®
- Liberty®
- Lightning®
- Marksman®*
- Option®
- Outlook™
- Permit®
- Prowl®
- Roundup UltraMax™
- Steadfast®
- Stinger™
- Surpass™
- TopNotch™
- Tough®

Note: If **TOPRAMEZONE SC** is tank mixed with other herbicides, the label restrictions for the most restrictive of the tank mix components should be followed.

Use of methylated seed oil (MSO) or crop oil concentrate (COC) in tank mixtures of **TOPRAMEZONE SC plus 2,4-D, CLARITY, DISTINCT, or MARKSMAN may result in crop injury if applied during periods of cold, wet weather or hot and/or humid weather. Under these environmental conditions the use of a nonionic surfactant in place of an oil based adjuvant is recommended.*

Sequential Herbicide Combinations and Uses

In addition to control of many broadleaf weeds, **TOPRAMEZONE SC** controls or suppress growth of several grass species. To target a broader spectrum of grasses **TOPRAMEZONE SC** should be used as a sequential postemergence treatment following a preemergence grass herbicide (such as **Outlook™**, **Prowl®**, **Guardsman Max™**, **Dual II Magnum®**, **Harness®**, or **Surpass™**). **TOPRAMEZONE SC** may also be used in sequential programs with registered burn-down herbicides.

Pests listed in this label:

Common Name	Scientific Name
Amaranth, Palmer	<i>Amaranthus palmeri</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Carpetweed	<i>Mollugo verticillata</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>
Crabgrass, Smooth	<i>Digitaria ischaemum</i>
Cocklebur, Common	<i>Xanthium strumarium</i>
Cupgrass, Woolly	<i>Eriochloa villosa</i>
Foxtail, Giant	<i>Setaria faberi</i>
Foxtail, Green	<i>Setaria viridis</i>
Foxtail, Yellow	<i>Setaria lutescens</i>
Goosegrass	<i>Eleusine indica</i>
Jimsonweed	<i>Datura stramonium</i>
Johnsongrass	<i>Sorghum halepense</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Mallow, Venice	<i>Hibiscus trionum</i>
Millet, Wild-Proso	<i>Panicum miliaceum</i>
Morningglory	<i>Ipomoea sp.</i>
Mustard	<i>Brassica sp.</i>
Nightshade, Black	<i>Solanum nigrum</i>
Nightshade, Eastern Black	<i>Solanum ptycanthum</i>
Nightshade, Hairy	<i>Solanum sarrachoides</i>
Panicum, Fall	<i>Panicum dichotomiflorum</i>
Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Pigweed, Smooth	<i>Amaranthus hybridus</i>
Pigweed, Tumble	<i>Amaranthus album</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Ragweed, Giant	<i>Ambrosia trifida</i>
Sida, Prickly	<i>Sida spinosa</i>
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Smartweed, Ladysthumb	<i>Polygonum persicaria</i>
Sunflower, Volunteer	<i>Helianthus sp.</i>
Sunflower, Wild (common)	<i>Helianthus annuus</i>
Thistle, Canada	<i>Cirsium arvense</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Common	<i>Amaranthus rudis</i>
Waterhemp, Tall	<i>Amaranthus tuberculatus</i>

11/11

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE FULLEST EXTENT PERMITTED BY LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

Clarity, Distinct, Lightning, Marksman, and Prowl are registered trademarks and G-Max Lite, Guardsman Max, and Outlook, are trademarks of BASF Corporation.

Basagran, Clearfield and Laddok are trademarks of BASF AG.

Accent and Steadfast are registered trademarks of E.I. duPont de Nemours and Company.

Balance, Bucril, Epic, Liberty, LibertyLink, and Option are registered trademarks of Bayer.

Dual II Magnum, Exceed, Bicep II Magnum, Bicep Lite II Magnum, Lumax and Tough are registered trademarks and Spirit and Callisto are trademarks of Syngenta Group Company.

Degree Xtra, Harness, Harness Xtra, Permit, Roundup Ready are registered trademarks and Degree and Roundup Ultramax are trademarks of Monsanto Technology LLC.

Hornet, Keystone, Python, Stinger, Surpass, and TopNotch are trademarks of Dow AgroSciences LLC.

©Amvac Chemical Corporation
4100 E. Washington Boulevard
Los Angeles, CA. 90023
All rights reserved
May 2005