For weed control in corn, cotton and wheat.

EPA Reg. No. 279-3464  EPA Est. 279-IL-1

ACTIVE INGREDIENT:  By Wt.
Pyroxasulfone .............................................. 37.10%
Carfentrazone ............................................. 2.65%
Other Ingredients ......................................... 60.25%
Total: .................................................... 100.00%

ANTHEM FLEX is a suspension containing 4.00 lb active ingredient per gallon (containing 3.733 lb ai of pyroxasulfone and 0.267 lb ai of carfentrazone).

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution
Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear: long sleeved shirt and long pants, chemical resistant gloves such as barrier laminated, butyl rubber ≥ 14 mils, or viton ≥ 14 mils, shoes plus socks.

For aerial applications, mixers and loaders must also wear: PF.5 respirator

Discard clothing and other absorbent material that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
User Safety Recommendations:
Users should:
• Wash thoroughly with soap and water after handling and before eating, drinking, or 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 the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish, aquatic invertebrates, and to some plants at very low concentrations. 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 runoff from treated areas may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsates. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not use or store near heat or open flame.

Ground Water Advisory: This chemical and its degradation products have properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisories: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsates. This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching both surface water and aquatic sediment via runoff for several months or longer after application. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of pyroxasulfone and its degradation product. (5- difluoromethoxy-1H-pyrazol-4-yl) methanesulfone acid (M1), from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Point Source Contamination: To prevent point source contamination do not mix or load this or any other pesticide within 50 feet of wells (including abandoned wells and drainage wells, sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs). This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or dike mixing/loading areas as described below. Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self contained to prevent surface water from over or from the pad. The pad capacity must be maintained at 110% of that of the largest pesticide container or application equipment used on the pad and has sufficient capacity to contain all products spills, equipment or container leaks, equipment wash waters and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticides shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment. Care must be taken when using this product to prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates. Check values or anti-siphoning devices must be used on all mixing equipment.

Endangered Species Protection Requirements: This product may have effects on federally listed threatened or endangered plant species or their critical habitat. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county or parish in which you are applying the pesticide. To determine whether your county or parish has a Bulletin, and to obtain that Bulletin, consult "http://www.epa.gov/espp/" or call 1-800-447-3813 no more than 6 months before using this product. Applicators must use Bulletins that are in effect in the month in which the pesticide will be applied. New Bulletins will generally be available from the above sources 6 months prior to their effective dates.

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 at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must 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 beyond the control of FMC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and, to the extent consistent with applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent permitted by applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent permitted by applicable law, buyer assumes the risk of any such use.

This pesticide is toxic to fish, aquatic invertebrates, and to some plants at very low concentrations. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsates. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not use or store near heat or open flame.

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**STORAGE AND DISPOSAL**
Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage**
Store product in original container only, well ventilated area, separately from fertilizer, feed or foodstuffs and away from other pesticides. Do not contaminate water, food or feed by storage or disposal. Store in a cool dry place and avoid excess heat.

**In Case of Spill**
Avoid contact. Isolate areas and keep out animals and unprotected persons. Call CHEMTREC (Transportation and Spills): (800) 424-9300.

**To Confine Spills.**
Dike surrounding area: sweep up spillage, Dispose of in accordance with information given under Pesticide Disposal. Wash spill area with water, absorb with sand, cat litter or commercial clay, sweep up and dispose of in an approved manner. Place damaged container in a large holding container. Identify contents per required hazardous waste labeling regulations.

**Container Disposal**
**Pesticide Disposal**
Pesticide wastes are toxic. Improper disposal of excess pesticide, spills, runoff or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**Metal or Plastic Containers - Nonrefillable container.** Do not reuse or refill this container. Triple rinse as follows: (For containers greater than 5 gallons) Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and roll it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

(For containers 5 gallons or less) Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recycle twice for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Returnable/Refillable Containers -** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 1/4 full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**PRODUCT INFORMATION**
ANTHEM FLEX can be applied in all tillage systems (conventional, reduced and no-tillage). ANTHEM FLEX can be applied in the fall or in the spring as a preplant or preemergence treatment. Always apply as preemergence, or early post-emergence treatment for susceptible grass and broadleaf weeds in registered crops. Consult individual crop sections for specific use instructions on specific uses and application timings for each crop.

### 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, forest nurseries, 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 above.**

**Metal or Plastic Containers - Nonrefillable container.** Do not reuse or refill this container. Triple rinse as follows: (For containers greater than 5 gallons) Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and roll it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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### RESISTANCE MANAGEMENT
**Mode of action**
ANTHEM FLEX contains pyroxasulfone which acts to inhibit very long-chain fatty acid synthesis as a Group 15 (WSSA)/ Group K3 (HRAC) to pyroxasulfone and other Group 15 herbicides. Weed species with resistance to pyroxasulfone and other Group 15 herbicides. Weed species with resistance to Group 15 may eventually dominate the weed population if Group 15 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by pyroxasulfone or other Group 15 herbicides.

**Resistant Weeds**
Some weeds are known to develop resistance to herbicides that have been used repeatedly. Herbicides should be used in conjunction with resistance management strategies and include mechanical methods (tillage,cultivation), and cultural methods of weed control as part of a comprehensive weed management IPM (Integrated Pest Management) strategy and not rely solely on herbicides. Consult the local or State agricultural advisors for herbicide resistance strategies. If herbicide weed resistance should develop in the area, this product used alone may not continue to provide sufficient levels of weed control. If the reduced levels of control cannot be attributed to improper application timing, unfavorable weather conditions or abnormally high weed pressure, a resistant strain may have developed. To reduce the potential for weed resistance, use this product in tankmixes with other effective herbicides with different modes of action, and a rotation program with other crops. Consult your field chemistry and mixing procedures before using this product at the labeled rates and in accordance with the use directions. For optimum performance, scout fields carefully and begin applications when weeds are small.

**Glyphosate Resistant Weeds**
Applying ANTHEM FLEX in a tank mixture with glyphosate for control of emerged glyphosate-resistant weeds larger than specified in Table 2 in a postemergence application may result in unsatisfactory control. Follow all directions, restrictions and precautions on the EPA-approved label for each product in the tank mixture.

**DIRECTIONS FOR USE**
**It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying. 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.**

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

** glyphosate resistant weeds:**
Applying ANTHEM FLEX in a tank mixture with glyphosate for control of emerged glyphosate-resistant weeds larger than specified in Table 2 in a postemergence application may result in unsatisfactory control. Follow all directions, restrictions and precautions on the EPA-approved label for each product in the tank mixture.

**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, forest nurseries, 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 above. 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 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 barrier laminate, butyl rubber ≥ 14 mils, or viton ≥ 14 mils, and shoes plus socks.

**PRODUCT INFORMATION**
ANTHEM FLEX can be applied in all tillage systems (conventional, reduced and no-tillage). ANTHEM FLEX can be applied in the fall or in the spring as a preplant or preemergence treatment. Always apply as preemergence, or early post-emergence treatment for susceptible grass and broadleaf weeds in registered crops. Consult individual crop sections for specific use instructions on specific uses and application timings for each crop.

When applying ANTHEM FLEX alone for post emergent weed control, apply before the weeds have reached the maximum height listed in Table 2. Application after weeds have reached the listed maximum height for control could result in commercially unacceptable weed control. For control of weeds in post applications larger than listed in Table 2 and for wider spectrum, apply in tank-mixture with herbicide(s) that are labeled for control of targeted weeds. Uniform spray coverage is necessary for optimum performance. Always read and follow label directions for all tank mix products before using.

**Rainfall / Irrigation Requirements:** Moisture is necessary to activate the active ingredient pyroxasulfone in soil for weed control. Dry weather following applications of ANTHEM FLEX may reduce effectiveness. However, when adequate moisture is received after dry conditions, ANTHEM FLEX will control susceptible germinating weeds. ANTHEM FLEX may not control weeds that germinate after application but before an activating rainfall and/or irrigation of at least 0.5 inch, or weeds that germinate through cracks resulting from dry soil. When adequate moisture is not received after ANTHEM FLEX application, weed control may be improved by irrigation. If no rain occurs within 7 days after application, apply overhead irrigation if available at 0.5 to 0.75 inch total volume to a maximum of 1 inch on fine textured soils and a maximum of 1.0 inch on medium and fine textured soils. Do not use on peat or muck soils or mineral soils with 10% or more organic matter content. Refer to the crop specific information section for specific application rates, timings and the restrictions and limitations by crop and use pattern.

**Application Precautions for Post Emergence Applications:**
1. If applying ANTHEM FLEX post emergence, avoid applications when crop foliage is wet due to heavy dew, rain, or irrigation moisture. If
ANTHEM FLEX is applied post emergence, shortly before or soon after rainfall, crop response can occur. Recovery from this response is rapid and normal growth is not delayed. Crop yields will not be impacted by this crop response.

2. Do not apply if crop is under severe stress due to drought, cold weather, hail, flooding, water-logged or compacted soil, disease, insect damage, nutrient deficiency (especially low nitrogen levels), or other causes.

3. Do not irrigate within 4 hours of a post emergence application of ANTHEM FLEX. Rainfall or irrigation within 1 hour may wash ANTHEM FLEX off of the weeds during this period and may reduce post emergence performance.

4. Observe all precautions and limitations on the label of each product used in tank mixture with ANTHEM FLEX.

**Restrictions**

- Do not apply this product through any type of irrigation system.
- Do not use flood irrigation to apply, activate or incorporate this product.
- Do not exceed the maximum seasonal use rates.
- Do not apply to frozen or snow-covered ground.

**Ground Application**

Use sufficient spray pressure and spray volume for accurate and uniform application. Refer to instructions for the spray equipment used to determine the actual minimum volume. The carrier may be either water or a sprayable fluid fertilizer. Do not apply this product without dilution in a spray carrier. For preplant, preplant incorporated, or preemergence applications, apply ANTHEM FLEX in a minimum of 5 gallons of water per acre. The carrier with the sprayable fluid nitrogen fertilizer will be treated acre for weed control applications. For postemergence applications, apply ANTHEM FLEX in a minimum of 10 gallons per acre of finishe spray solution. If a dense crop and/or weed canopy is present, use up to 40 gallons of spray solution per acre.

**Aerial Application**

Use nozzle types and arrangements that will provide optimum coverage while producing a minimal amount of fine droplets. Apply at a minimum of 3 gallons of finished spray per acre. Spray volumes greater than 3 GPa may be needed for dense weed populations or with dense crop canopies.

**Proper Handling Instructions**

This product may not be mixed or loaded within 50 feet of any wells (including abandoned enterprises and drains wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from the pad shall have a minimum contain ment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

This product must be used in a manner which will prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

**MIXING AND LOADING INSTRUCTIONS**

**Mixing Instructions:**

1. The spray equipment must be clean before using this product. If it is contaminated with other materials, mixing problems and/or clogging can occur and crop response can occur.

2. Prepare no more spray mixture than is needed for the immediate application. Applying the product immediately after preparation ensures that it is in suspension. If application is delayed, agitation to re-mix the products and checking for resuspension ensures proper blending.

3. Maintain maximum agitation throughout the spraying operation.

4. Flush the spray equipment thoroughly after each use and apply rinse to an appropriate area.

**Mixing Steps:**

1. Add 1/4 - 1/2 of the required amount of clean water and/or fertilizer to the spray or mixing tank.

2. While maintaining agitation, continue filling the spray tank. When the tank is 3/4 full, add any dry formulation tank mix partners and allow them to completely and uniformly disperse.

3. Add the required amount of ANTHEM FLEX to the spray tank while maintaining agitation. After the product has completely and uniformly dispersed into the tank mix, add any other liquid tank mix partners and allow them to uniformly disperse.

4. Add the proper amount of spray adjuvant and continue agitation while adding the remaining water and/or fertilizer.

5. Complete filling the tank with clean water and/or fertilizer to maintain sufficient agitation at all times to insure surface action until the mixture is in use.

6. After use, thoroughly clean the sprayer according to this label {see Cleaning Spray Equipment} and any tank mix partner labels.

**Mixing ANTHEM FLEX in Tank Mixtures with Other Herbicides and Fluid Fertilizers**

ANTHEM FLEX is compatible with most commonly used herbicides, insecticides and fungicides. Before mixing ANTHEM FLEX with OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR THE USE ON THE TARGET SPECIES AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF ANTHEM FLEX. When using ANTHEM FLEX in a tank mixture with other pesticides, observe the most restrictive label limitations and precautions for the products being used.

ANTHEM FLEX can be used with commonly used clear fluid nitrogen fertilizers (e.g. 28% or 32% UAN). It is recommended that a preliminary compatibility jar test be conducted using appropriate ratios of ANTHEM FLEX and fertilizer. Prepare no more spray mixture than is needed for the immediate application. Applying the product immediately after preparation ensures that the mixture is properly dispersed. If application is delayed, agitation to re-mix the products and checking for resuspension ensures proper blending.

**Compatibility Test**

Conduct a jar test before mixing to ensure ANTHEM FLEX compatibility with tank mix partners and adjuvants. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredient rates.

1. Add 1.0 pt. of water to each of 2 one-quart jars. Note: Use the same source of water and the other components in the compatibility test that will actually be tank mixed and applied. It is important that all components are mixed at a temperature similar to the temperature of those used for the actual application.

2. To one of the jars, add 1/4 tsp. or 2.5 milliliters of a compatibility agent approved for this use (1/4 tsp. is equivalent to 2 pt/100 gallons spray). Shake or stir gently to mix.

3. To both jars, add the appropriate amount of herbicide(s). If more than one herbicide is used, add them separately with dry herbicides first, flowables next and emulsifiable concentrates last. Finally, add the appropriate amount of any adjuvants that will be used. After each addition, shake or stir gently to thoroughly mix.

4. To one of the jars, add 1.4 tsp. to each jar.

**Dry Herbicides and Adjuvants:** For each pound to be applied per acre, add 0.5 tsp. or 2.5 milliliters to each jar.

**Liquid Herbicides and Adjuvants:** For each pint to be applied per acre, add 0.5 tsp. or 2.5 milliliters to each jar.

**Cleaning Spray Equipment:** Add all ingredients for the 90% mixture, replace and tighten lids. Shake jars by inverting the mixture and then let stand for 15 to 30 minutes.

**Performance:**

- If the mixtures are compatible, then try these methods to overcome the problem. A) Make a slurry of dry pesticides in water before adding them to the tank B) Add more compatibility agent or increase the water volume/volume of the mixture.

**Proper Use Patterns:**

- If tank mixes are incompatible, then do not apply the mixture. (Properly dispose of testing jars and any pesticide waste).

**Spray adjuvants for burndown and post applications**

An adjuvant or a product containing an adjuvant approved for use on intended crop may be used with ANTHEM FLEX for maximum consistent performance.

**Adjuvants for ANTHEM FLEX:**

Use a spray adjuvant from one of these classes for optimum performance for burndown or post applications.

**Non-ionic surfactant (NIS) -** must have a minimum of 80% of the constituents effective as spray adjuvant at the rate of 1 quart/100 gallons of spray volume (concentration of 0.25%).

**Crop Oil Concentrate (COC) or Methylated Seed oil (MSO) -** petroleum or vegetable-based oil containing not less than 12% emulsifier. Use 1-2 pts./A and the concentration must not exceed 2.5% volume/volume. COC/MSO may improve performance under dry conditions and lower relative humidity.

**Silicone-based surfactant -** apply at a rate of 1 qt/100 gallons or a spray volume concentration of 0.25% or as specified on the adjuvant label.
In addition to an adjuvant, urea ammonium nitrate (UAN) at 1-2 qts. /A or spray grade ammonium sulfate (AMS) at specified use rates may also be added to the spray solution.

Adjuvants for ANTHEM FLEX in Tank Mixtures with Other Herbicides
When tank mixing with other herbicides, use the adjuvant labeled for use with the tank mix partner. Follow all restrictions and precautions on the tank mix partner’s label.

**DRY FERTILIZER APPLICATION**

ANTHEM FLEX may be impregnated or coated onto dry bulk granular fertilizer carriers for fall and spring preplant surface and preplant incorporated applications. Follow all ANTHEM FLEX label restrictions, instructions and precautions.

All individual state regulations relating to dry granular fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the herbicide/ fertilizer mixture.

Select the ANTHEM FLEX application rate per acre from this label and determine the quantity of dry bulk fertilizer to be applied per acre (use a minimum of 200 pounds and a maximum of 750 pounds per acre). Use the equation below to determine the amount of ANTHEM FLEX needed per ton of fertilizer applied.

\[
(\text{Fl oz of ANTHEM FLEX per acre} \times 2000) / \text{Pounds fertilizer per acre} = \text{oz of ANTHEM FLEX for 1 ton of fertilizer).}
\]

ANTHEM FLEX may be impregnated on many commonly used dry fertilizer but do not impregnate on ammonium nitrate, fertilizers containing ammonium nitrate, potassium sulfate, sodium nitrate or powdered limestone.

To impregnate ANTHEM FLEX on bulk fertilizer, use a closed rotary drum mixer or other commonly used dry bulk fertilizer blender equipped with suitable spray equipment. Mix ANTHEM FLEX with sufficient water to form a sprayable slurry mixture. Spray nozzles be directed to provide uniform fertilizer coverage while avoiding spray contact with mixing equipment. Non uniform impregnation can cause crop injury or unsatisfactory factory performance.

Spray the herbicide mixture onto the fertilizer after blending has started. If necessary, include a suitable drying agent to ensure a spreadable herbicide/ fertilizer mixture.

Apply treated fertilizer immediately after impregnation to avoid lump formulation and spreading difficulties. Blending and moisture is required for activation.

**DRIFT MANAGEMENT**

Avoiding spray drift at the application site is the responsibility of the applicator and the grower.

ANTHEM FLEX contains a contact protoporphyrinogen oxidase (PPO) inhibitor herbicide. Avoid any drift conditions that would allow the product to contact desirable vegetation. The mist from spray drift may cause injury to sensitive plants.

The interaction of equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all factors involved in minimizing drift potential.

The following drift management requirements must be followed to avoid off-target movement of applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications of dry materials.

Where states have more stringent regulations, they must be observed.

**INFORMATION ON DROPLET SIZE**

The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Use nozzle types arrangements that will provide maximum coverage and minimize the potential for off-target movement of spray particles. Droplets size for ground applications must be in the "medium to very coarse" size category as defined in the August 1999 ASAE S572 publication entitled, “Spray Nozzle Classification by Drop Spectra”. Refer to that publication for additional information. Regardless of droplet size, if applications are made improperly or unfavorable environmental conditions off target movement will occur. (See Wind, Temperature and Humidity, and Temperature Inversion sections in this label).

**Controlling Spray Droplet Size**

**VMD (Volume median diameter) – VMD is the expression of the droplet size distribution in the medium to very coarse" size category as defined in the August 1999 ASAE S572 publication entitled, “Spray Nozzle Classification by Drop Spectra”. Refer to that publication for additional information. Regardless of droplet size, if applications are made improperly or unfavorable environmental conditions off target movement will occur. (See Wind, Temperature and Humidity, and Temperature Inversion sections in this label).**

**Volume** - Use high flow rate nozzles that produce medium droplets to apply the highest practical spray volume.

**Pressure** - Use the lower spray pressures recommended for the nozzle and do not exceed the manufacturer’s recommended pressure. Higher pressure reduces droplet size and does not improve canopy penetration. Use higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

**Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation – Orienting nozzles so that the spray is released backwards parallel to the air-stream will produce larger droplets than other orientations. Significant deflection from horizontal will reduce droplet size and increase drift potential. For aerial application, orient nozzles plate parallel to the flight. Side-spray orientation results in larger droplets than other orientations and reduces air turbulence and the production of small droplets. Significant deflection from horizontal will reduce droplet size and increase drift potential.

**Ground Boom Application Height** - Applications must not be made at a height greater than 4 feet above the top of the largest plants. Making applications at the lowest possible height reduces exposure of droplets to evaporation and wind. Aerial applications must not be made at a height greater than 10 feet above the top of the target plants unless a greater height is required for aircraft safety.

**Swath Adjustment** - When applications are made with cross wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path upwind. Swath adjustment distance must increase with increasing drift potential (higher wind, smaller drops, etc).

**Wind** - Variable wind speeds with changing directions may pose the largest potential for drift damage if crops other than rice are adjacent to the field to be sprayed. Droplet potential is lowest between wind speeds of 2-10 mph. However, low wind speeds do not occur where temperature inversion is a factor, because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to wind gusts and variable wind direction. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the following morning. Their presence can be indicated by ground fog. However, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion while smoke moves upward and rapidly dissipates indicates good vertical air mixing.

**Sensitive Areas** – ANTHEM FLEX must only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bod- ies of water, known habitats for threatened or endangered species and non-target crops) is minimal. (e.g. when wind is blowing away from the sensitive areas). Maintain a 10-foot buffer between the application area and the closest downwind edge of sensitive terrestrial habitats (such as grainfields, forests, wetlands, woodlots, hedgerows, riparian areas, shrublands, and croplands).

**CLEANING SPRAY EQUIPMENT**

Many pesticides are very active at low rates, especially to sensitive crops. Residues left in mixing equipment, spray tanks, hoses, spray booms and nozzles can cause crop effects if they are not properly cleaned.

As soon as possible after spraying ANTHEM FLEX and before use with another pesticide, the mixing equipment and spray system must be thoroughly cleaned using the following procedure.

In addition, users must take appropriate steps to ensure proper equipment clean-out for any other products mixed with ANTHEM FLEX as required on the other product labels. More complete cleaning can be achieved if the spray system is cleaned immediately following the application.

1. Drain spray tank, hoses, spray boom and spray nozzles. Use a high pressure wash to remove all pesticide and residues from the inside of the sprayer tank and thoroughly rinse. Then, thoroughly flush spray hose, sprayers, spray boom and spray nozzles with a clean water rinse. Remove and clean spray tips and all filters and screens (tank, spray hose and spray tips) separately in the ammonia solution of Step 2.

2. Next, prepare a sprayer cleaning solution by adding three gallons of ammonia (containing at least 3% active) per 100 gallons of clean water or using a commercial tank cleaner. Prepare sufficient cleaning solution to allow the operation of the sprayer system for a minimum of 15 minutes to thoroughly flush hoses, spray boom and spray nozzles.
3. Convenient and thorough cleaning of the sprayer can be achieved if the ammonia solution or fresh water is left in the spray tank, hoses, spray booms and spray nozzles overnight or during storage.

4. Before using the sprayer, completely drain the sprayer system. Rinse the tank with clean water and flush through the hoses, spray boom, and spray nozzles with clean water.

5. Properly dispose of all cleaning solution and rinsate in accordance with Federal, State, and local regulations and guidelines.

Do not apply sprayer cleaning solutions or rinsate to sensitive crops.

Do not store the sprayer for any extended period of time with ANTHEM FLEX spray solution remaining in the tank, spray lines, spray boom plumbing, spray nozzles or strainers. If the sprayer has been stored or idle, purge the spray boom and nozzles with clean water before beginning any application.

Should small quantities of ANTHEM FLEX remain in inadequately cleaned equipment, they may be released during subsequent applications potentially causing effects to certain crops and other vegetation. FMC accepts no liability for any effects due to inadequately cleaned equipment.

When ANTHEM FLEX has been tank mixed refer to the label of the product used previously or tank mixed with ANTHEM FLEX for cleaning instructions.

**WEEDS CONTROLLED**

**ANTHEM FLEX Alone**

At the rates and timings listed, ANTHEM FLEX applied early preplant and preemergence controls the weeds listed in Table 1 when the product is used alone. ANTHEM FLEX can also control certain broadleaf weeds after they emerge (Table 2). Weeds larger than the size indicated in Table 2 may only be partially controlled and may require a tankmix partner.

**Table 1. Preplant/Preemergence Weed Control**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Grasses Controlled</td>
<td></td>
</tr>
<tr>
<td>Barley, little</td>
<td>Hordeum leporinum</td>
</tr>
<tr>
<td>Barnyardgrass</td>
<td>Echinochloa crus-galli</td>
</tr>
<tr>
<td>Bluegrass, annual</td>
<td>Poa annua</td>
</tr>
<tr>
<td>Canarygrass</td>
<td>Phalaris canariensis</td>
</tr>
<tr>
<td>Crabgrass, large</td>
<td>Digitaria sanguinalis</td>
</tr>
<tr>
<td>Crabgrass, smooth</td>
<td>Digitaria ischaenium</td>
</tr>
<tr>
<td>Fescue, rattle</td>
<td>Vulpia myuros</td>
</tr>
<tr>
<td>Foxtail, giant</td>
<td>Setaria lapaen</td>
</tr>
<tr>
<td>Foxtail, green</td>
<td>Setaria virdis</td>
</tr>
<tr>
<td>Foxtail, yellow</td>
<td>Setaria pumila</td>
</tr>
<tr>
<td>Goosegrass</td>
<td>Elymus indicus</td>
</tr>
<tr>
<td>Johnsongrass (seedling)</td>
<td>Sorghum halepense</td>
</tr>
<tr>
<td>Panicum, fall</td>
<td>Panicum dichotomiflorum</td>
</tr>
<tr>
<td>Rice, red</td>
<td>Oryza sativa</td>
</tr>
<tr>
<td>Ryegrass, Italian</td>
<td>Lolium multiflorum</td>
</tr>
<tr>
<td>Ryegrass, rigid</td>
<td>Lolium rigidum</td>
</tr>
<tr>
<td>Witchgrass</td>
<td>Panicum capillare</td>
</tr>
</tbody>
</table>

**Annual Grasses Suppressed**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brome, downy</td>
<td>Bromus tectorum</td>
</tr>
<tr>
<td>Brome, Japanese</td>
<td>Bromus japonicas</td>
</tr>
<tr>
<td>Cheat</td>
<td>Bromus secalinus</td>
</tr>
<tr>
<td>Cupgrass, Southwestern</td>
<td>Echinochloa acuminata</td>
</tr>
<tr>
<td>Cupgrass, woolly</td>
<td>Echinochloa villosa</td>
</tr>
<tr>
<td>Millet, wild proso</td>
<td>Panicum milaeeum</td>
</tr>
<tr>
<td>Oat, wild</td>
<td>Avena fatua</td>
</tr>
<tr>
<td>Panicum, texass</td>
<td>Panicum laxanum</td>
</tr>
<tr>
<td>Sandbur, longspine</td>
<td>Chencheris longispinus</td>
</tr>
<tr>
<td>Shattercane</td>
<td>Sorghum vulgare</td>
</tr>
<tr>
<td>Signalgrass, broadleaf</td>
<td>Brachia na plitphylla</td>
</tr>
</tbody>
</table>

**Annual Broadleaves Controlled**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amaranth, Palmer</td>
<td>Amaranthus palmeri</td>
</tr>
<tr>
<td>Amaranth, Powel</td>
<td>Amaranthus powelli</td>
</tr>
<tr>
<td>Carpetweed</td>
<td>Molugo verticillata</td>
</tr>
<tr>
<td>Pigweed, redroot</td>
<td>Amananthus retroflexus</td>
</tr>
<tr>
<td>Pigweed, smooth</td>
<td>Amananthus hybirdus</td>
</tr>
<tr>
<td>Pigweed, tumbule</td>
<td>Amananthus albus</td>
</tr>
<tr>
<td>Purslane, common</td>
<td>Portulaca oleracea</td>
</tr>
<tr>
<td>Pusley, Florida</td>
<td>Richarida scabra</td>
</tr>
<tr>
<td>Sida, prickly (Teaweed)</td>
<td>Sida spinosa</td>
</tr>
<tr>
<td>Waterhemp, common</td>
<td>Amananthus rudis</td>
</tr>
<tr>
<td>Waterhemp, tall</td>
<td>Amananthus tuberculatus</td>
</tr>
</tbody>
</table>

**Annual Broadleaves Suppressed**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buckwheat, wild</td>
<td>Polygonum convolvulus</td>
</tr>
<tr>
<td>Chickweed, common</td>
<td>Conyza bonariensis</td>
</tr>
<tr>
<td>Fleabane, hairy</td>
<td>Conyza bonariensis</td>
</tr>
<tr>
<td>Groundsel, common</td>
<td>Senecio media</td>
</tr>
<tr>
<td>Henbit</td>
<td>Lamium amplexicaule</td>
</tr>
<tr>
<td>Horseweed (mainestalk)*</td>
<td>Conyza canadensis</td>
</tr>
<tr>
<td>Kocha (including biase and ALS resistant)</td>
<td>Kocha scoparia</td>
</tr>
<tr>
<td>Lambsquakes, common</td>
<td>Chenopodium album</td>
</tr>
<tr>
<td>Jimsonweed</td>
<td>Datura stramonan</td>
</tr>
<tr>
<td>Mayweed, chamomile</td>
<td>Anthemis cotula</td>
</tr>
<tr>
<td>Morningglory, entireleaf</td>
<td>Ipomoea hederacea integruscula</td>
</tr>
<tr>
<td>Morningglory, ivyleaf</td>
<td>Ipomoea hederacea</td>
</tr>
<tr>
<td>Morningglory, pitied</td>
<td>Ipomoea leucantha</td>
</tr>
<tr>
<td>Nightshade, black</td>
<td>Solanum nirgum</td>
</tr>
<tr>
<td>Nightshade, hairy</td>
<td>Solanum physalifolium</td>
</tr>
<tr>
<td>Nightshade, Eastern black</td>
<td>Solanum phyanthum</td>
</tr>
<tr>
<td>Ragweed, common</td>
<td>Ambrosia artemisiafolia</td>
</tr>
<tr>
<td>Spreading orach</td>
<td>Atriplex subspicata</td>
</tr>
<tr>
<td>Velveteaf</td>
<td>Abiultion threaphlist</td>
</tr>
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**SEDGES SUPPRESSED**

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<tr>
<th>Common Name</th>
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</tr>
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<tbody>
<tr>
<td>Nutsedge, yellow</td>
<td>Cyperus esculentus</td>
</tr>
</tbody>
</table>

Partial control or suppression only. ANTHEM FLEX should be used in tank mixes and/or sequential applications with other herbicides for best results.

**Weeds Controlled – Postemergence / Burndown.**

ANTHEM Flex can provide control of certain broadleaf weeds that are emerged at the time of application for preplant, preemergence, early postemergence, or post directed applications.

**Table 2. When use as directed, ANTHEM Flex will provide control of the listed weeds up to 4 inches in height, or as specified.**

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<td>Velveteaf</td>
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</tr>
</tbody>
</table>

**Application Timings**

Fall applications for controlling weeds germinating in fall or winter ANTHEM FLEX may be applied in the fall to control weeds in conventional, minimum tillage, or no-till production systems planted the following spring. This fall application program will typically need to be followed with a suitable in-season at-plant preemergence or postemergence herbicide treatment to provide season long control of the complete target weed spectrum.

ANTHEM FLEX may be applied in the fall for crops that are to be planted the following year (for applications to winter wheat in the fall, see the wheat section of this label for specific instructions). For control of emerged weeds in the fall, use combinations with other burndown herbicides like Aim, 2,4-D, dicamba, glyphosate, paraquat or glufosinate. Follow all directions, restrictions and precautions on the EPA-approved label for each product in the tank mixture. Do not exceed 2 inch incorporation depth if tilled after application. Use the highest rate within soil type. ANTHEM FLEX may be broadcast surface applied in the fall after crop harvest when soil temperatures at the 4-inch depth are sustained at less than 55º F and before the ground freezes to control weeds in minimum or no tillage fields planted the following spring. Do not apply to frozen or snow covered soil.

Preplant, preemergence and early preplant applications ANTHEM FLEX may be applied prior to planting up to crop emergence. See specific crop sections for further directions and use rates. Cultivation or a labeled postemergence herbicide application may still be required under certain conditions for complete weed control.

If weeds are present at the time of application, use additional weed control methods such as tank mixes with an appropriate postemergence herbicide(s) to control emerged weeds and follow all label directions, rates, restrictions, and precautions on the tankmix partner labeling.

Preplant incorporated (PPi) applications For PPi applications of ANTHEM FLEX incorporate into the upper (1-2") soil surface up to 14 days before planting. Deeper incorporation may increase the potential for crop injury and also may result in reduced weed control. Use appropriate equipment that provides uniform shallow incorporation, such as a field cultivator, harrow, rolling cultivator or finishing disc.

Delayed preemergence surface application in wheat Apply as a broadcast spray to the soil surface following wheat planting.
when 80 percent of germinated wheat seeds have a shoot of at least ½ inch long until wheat spiking.

Early Postemergence
Antem Flex can be applied broadcast early postemergence for post weed control and residual activity in some crops. See individual crop sections for further details. Activation by rainfall or irrigation is required prior to weed seedling emergence to provide soil residual weed control.

Post-directed applications in cotton
In cotton, apply ANTHEM FLEX from minimum of 6 inches to beginning bloom stage. The amount of ANTHEM FLEX to apply and the degree of weed control resulting from a ANTHEM FLEX application depend on a variety of factors such as weeds present, stage of growth of the weeds, environmental conditions, growing conditions and soil type.

Under high moisture conditions the crop may experience some temporary crop response. The crop will rapidly outgrow these effects and develop normally with no reduction in yield.

Split applications in labeled crops
ANTHEM FLEX may be tank-mixed with labeled insecticides for that speed of activity and provide control of the weeds listed in ANTHEM FLEX may be applied preemergence and postemergence to planting. Follow all plant-back and rotational restrictions for ANTHEM FLEX and partner herbicides.

ANTHEM FLEX may be applied preemergence and postemergence with herbicides approved for use on cotton or wheat. Tank mixing ANTHEM FLEX with other postemergence herbicides may increase the speed of activity and provide control of the weeds listed in Table 2. ANTHEM FLEX may be tank-mixed with labeled insecticides for that crop such as Hero®, or Mustang® Maxx and with labeled fungicides. Follow all directions, restrictions and precautions on the EPA-approved label for each product in the tank mixture and follow the most restrictive requirements of the products being mixed.

RATE SELECTION/SOIL TEXTURE

Unless a specific soil texture is mentioned, rate tables throughout this label refer to Table 3 for soil texture groups: coarse, medium and fine. Table 3 includes a complete listing of soil textures included in each of the soil texture groups.

Table 3. COARSE MEDIUM FINE

| Organic Matter | Coarse (unless Excluding Sweet Corn) | Medium | Fine (unless Excluding Sweet Corn)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Matter</td>
<td>Coarse: 2.75 – 3.5 (0.086 – 0.109)</td>
<td>Medium: 3.0 – 4.5 (0.094 – 0.141)</td>
<td>Fine: 3.5 – 4.5 (0.109 – 0.141)</td>
</tr>
<tr>
<td>Organic Matter</td>
<td>Excluding Sweet Corn: 2.0% O.M.</td>
<td>Coarse: 3.0 – 4.5 (0.094 – 0.141)</td>
<td>Medium: 3.5 – 5.5 (0.141 – 0.172)</td>
</tr>
</tbody>
</table>

Table 4. ANTHEM FLEX application rates for early preplant applications greater than 15-45 days ahead of planting in field corn (grown for grain, seed and silage) sweet corn and popcorn including sweet corn and popcorn grown for seed.

<table>
<thead>
<tr>
<th>Application Timing</th>
<th>Use Rate (oz/acre)</th>
<th>Coarse</th>
<th>Medium</th>
<th>Fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postemergence - Directed Early and Late by Atrazine</td>
<td>1.4 – 1.8</td>
<td>1.4 – 2.7</td>
<td>2.85 – 3.8</td>
<td></td>
</tr>
<tr>
<td>Postemergence - Directed Early and Late by Atrazine and Pyroid</td>
<td>1.4 – 2.7</td>
<td>2.85 – 3.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 5. ANTHEM FLEX application rates for field corn (grown for grain, seed and silage) sweet corn and popcorn including sweet corn and popcorn grown for seed.

For enhanced control of emerged weeds use ANTHEM FLEX in combination with other labeled burndown herbicide products such as Amin, 2,4-D, dicamba, glyphosate, parquat and glufosinate may be applied prior to planting. Follow all plant-back and rotational restrictions for ANTHEM FLEX and partner herbicides.

ANTHEM FLEX may be applied preemergence and postemergence with herbicides approved for use on cotton or wheat. Tank mixing ANTHEM FLEX with other postemergence herbicides may increase the speed of activity and provide control of the weeds listed in Table 2. ANTHEM FLEX may be tank-mixed with labeled insecticides for that crop such as Hero®, or Mustang® Maxx and with labeled fungicides. Follow all directions, restrictions and precautions on the EPA-approved label for each product in the tank mixture and follow the most restrictive requirements of the products being mixed.

RATE SELECTION/SOIL TEXTURE

Unless a specific soil texture is mentioned, rate tables throughout this label refer to Table 3 for soil texture groups: coarse, medium and fine. Table 3 includes a complete listing of soil textures included in each of the soil texture groups.

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</tr>
</tbody>
</table>

Table 4. ANTHEM FLEX application rates for early preplant applications greater than 15-45 days ahead of planting in field corn (grown for grain, seed and silage) sweet corn and popcorn including sweet corn and popcorn grown for seed.

<table>
<thead>
<tr>
<th>Application Timing</th>
<th>Use Rate (oz/acre)</th>
<th>Coarse</th>
<th>Medium</th>
<th>Fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postemergence - Directed Early and Late by Atrazine</td>
<td>1.4 – 1.8</td>
<td>1.4 – 2.7</td>
<td>2.85 – 3.8</td>
<td></td>
</tr>
<tr>
<td>Postemergence - Directed Early and Late by Atrazine and Pyroid</td>
<td>1.4 – 2.7</td>
<td>2.85 – 3.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 5. ANTHEM FLEX application rates for field corn (grown for grain, seed and silage) sweet corn and popcorn including sweet corn and popcorn grown for seed.

• Use rates listed above are for control or suppression of weeds listed in Table 1.

• For early preplant applications and/or in reduce tillage (i.e. no-till/ high residue) systems or heavy weed pressure use the higher labeled rate by the soil type.

• For preplant burndown of emerged weeds, tank-mix another herbicide such as 2,4-D, dicamba, glyphosate, atrazine or similar for increased levels of weed control.

• Corn seed must be planted a minimum of 1.5 inches deep. Shallow planting can lead to increased crop response risk.

• For fine texture soils with organic matter >3% use up to 7.28 fl oz/A.

• Early preplant surface applications are not recommended for coarse textured soils, in areas where annual rainfall (or rainfall plus irrigation) typically exceeds 40 inches, or for popcorn or sweet corn.

For control of additional weed species preemergence, ANTHEM FLEX may be used in combination with other labeled corn herbicides for increase weed control including:

<table>
<thead>
<tr>
<th>Product</th>
<th>Weed species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance Flex</td>
<td>Velvetleaf, Kochia, Lambquarters</td>
</tr>
<tr>
<td>Atrazine</td>
<td>Cocklebur, Giant and Common ragweeds, Kochia (non–triazine resistant) Morningglory, Lambquarters, Sunflower</td>
</tr>
</tbody>
</table>

For heavy weed pressure, a sequential program of ANTHEM FLEX followed by an effective postemergence herbicide treatment or cultivation may be required for satisfactory weed control.

Corn Restrictions

Maximum seasonal use rates:

• On coarse textured soils do not apply more than a total of 5.0 liquid ounces of ANTHEM FLEX (containing 0.147 lb ai of pyroxasulfone and 0.011 lb ai of carfentrazone-ethyl) per acre per cropping season.

• On medium and fine soils do not apply more than a total of 9.12 liquid ounces of ANTHEM FLEX (containing 0.266 lb ai of pyroxasulfone and 0.019 lb ai of carfentrazone-ethyl) per acre per cropping season.

• Do not apply more than 0.266 lb ai/A of pyroxasulfone or 0.031 lb ai/A of carfentrazone-ethyl per acre in a twelve month cropping year including preplant burndown. ANTHEM FLEX may be used prior to or after applications of other pyroxasulfone or carfentrazone-ethyl containing herbicides. When using ANTHEM FLEX in sequential programs, do not exceed the maximum amount of either active ingredient per cropping year for the soil textures as specified above.

• Do not harvest sweet corn ears for human consumption within 37 days following an application of ANTHEM FLEX.

COTTON - CROP SECTION

Application Rates

Application rates for ANTHEM FLEX when applied alone, in tank mix, or sequentially in cotton are provided in Table 6.

Table 6. Residual Rates of ANTHEM FLEX in Cotton

<table>
<thead>
<tr>
<th>Application Timing</th>
<th>Use Rate (oz/acre)</th>
<th>Coarse</th>
<th>Medium</th>
<th>Fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postemergence - Directed Early and Late by Atrazine</td>
<td>1.4 – 1.8</td>
<td>1.4 – 2.7</td>
<td>2.85 – 3.8</td>
<td></td>
</tr>
</tbody>
</table>

Cotton Use Rate Restrictions

DO NOT apply more than 3.80 ozs/A of ANTHEM FLEX in a single application.

• Do NOT apply more than a maximum cumulative amount of 7.6 fl oz/A of ANTHEM FLEX (containing 0.223 lb ai/A of pyroxasulfone and 0.0159 lb ai/A of carfentrazone) of ANTHEM FLEX per cropping season.

• Do not apply more than 0.025 lb active ingredient of carfentrazone-ethyl per application or 0.124 lb active ingredient per season.

• Seedling Depth: Crop seeds must be planted a minimum of 1 in. deep.

• Pre-harvest Interval: Do not harvest for a minimum of 7 days after the last application.

Specific Cotton Use Instructions and Precautions

Rainfall and/or irrigation totaling at least 0.5 inch prior to weed emergence may be necessary for herbicide activation and optimum weed control. If no rain occurs within 7 days after application, apply overhead irrigation if available, at 0.5 to 0.75 inch total volume. Use a maximum of 0.5 inch on coarse textured soils and a maximum of 1.0 inch on medium and fine textured soils.

Excessive rainfall, irrigation, or prolonged cool and/or wet soil conditions after application of ANTHEM FLEX from seed germination through seedling emergence may increase the risk of cotton seedling injury and should be avoided if possible.

Before applying to cotton, verification of ANTHEM FLEX selectivity on your variety must be confirmed to avoid injury to sensitive cotton varieties. Check with the local Cooperative Extension agent for information on potential ANTHEM FLEX varietal sensitivity. If variety tolerance is unknown, such as with new varieties, apply ANTHEM FLEX on a small area to confirm variety safety before use on large acreage.

Application Timings

ANTHEM FLEX may be applied in a single application or in sequential applications.

DO NOT apply ANTHEM FLEX directly to cotton as a broadcast postemergence spray after emergence (at-cracking) or injury may occur.
Postemergence-Directed – Early and Lay-by Application

ANTHEM FLEX is a contact plus residual herbicide for postemergence directed or hooded/shielded applications. For control of broadleaf weeds in cotton, apply ANTHEM FLEX alone or as a tank mix with other herbicides to emerge and actively growing weeds. For specific mixing instructions, refer to the Mixing and Loading Instructions under the PRODUCT INFORMATION section. Applications of ANTHEM FLEX tank mixes must be made with directed sprayers or hooded sprayers or in a manner consistent with the use of spray solution with the cotton plant. Do not allow spray solution to contact cotton foliage, green stem tissue, or blooms. Directed spray equipment must position nozzles a minimum 3 to 4 inches above the soil, with nozzles directed beneath the crop canopy. ANTHEM FLEX tank mix applications shall be made to cotton that is a minimum of 6 inches in height. Applications to cotton at 5 to 6 nodes or less must be made with hooded or shielded sprayer equipment to completely avoid contact with cotton plants. Lay-by applications of ANTHEM FLEX tank mixtures at later growth stages of cotton when cotton plants have achieved a height of 12 inches or more with sufficient bark development and height differential between crop bottom leaves and crop stem. Spray solution shall be directed at the base of cotton plants for minimal contact with green stem tissue or foliage while maintaining maximum contact with broadleaf weeds that are at appropriate treatment size. Do not apply when conditions favoring drift exist or wind is above 10 mph. For optimum performance, make application to actively growing weeds up to 4 inches tall and rosettes less than 3 inches across. Coverage is essential for good control. The use of an adjuvant is recommended for consistent control.

Cotton Post-Directed Precautions

Under high moisture conditions the crop may experience some temporary crop response. The crop will rapidly outgrow these effects and develop normally with no reduction in yield.

Post Directed Weed Control and Tank Mixes.

For control of emerged weeds, weeds larger than listed in Table 2, and weeds not listed on the label, a tankmix is required.

Sequential Applications

If a sequential application program of ANTHEM FLEX is used (e.g. preplant or preemergence application followed by postemergence directed application), the maximum combined rate of ANTHEM FLEX that may be applied in a cropping season is 7.5 oz/A on all soils. Separate sequential applications by at least 14 days.

FALLOW

ANTHEM FLEX may be used as a residual treatment to control weeds listed at any time of the year during the fallow period following crop harvest and before the following crop is planted. Follow all rotational crop planting intervals listed on table (10). Apply ANTHEM FLEX as a broadcast spray at 2.5-7.28 oz/A.

Sequential applications may be made with a minimum of 14 days between applications, but do not exceed the maximum seasonal cumulative amount of 9.1 oz/A of ANTHEM FLEX per cropping season.

Tank Mixes.

For control of emerged weeds, weeds larger than listed on Table 2, and weeds not listed on the label, a tankmix partner is required.

Specific Spring and Winter Wheat Use Instructions and Precautions

• Rainfall and/or irrigation totaling at least 0.5 inch prior to weed emergence may be necessary for herbicide activation and optimum weed control. If no rainfall occurs within 7 days after application, apply over-head irrigation if available, at 0.5 to 0.75 inch total volume. Use a maximum of 0.5 inch on coarse textured soils and a maximum of 1.0 inch on medium and fine textured soils.

• Excessive rainfall, irrigation, or prolonged wet soil conditions after application of ANTHEM FLEX from seed germination through seedling emergence may increase the risk of wheat seedling injury and should be avoided if possible.

• Before applying to wheat, verification of ANTHEM FLEX selectivity on your variety must be confirmed to avoid injury to sensitive wheat varieties. Check with the local Cooperative Extension agent for information on potential ANTHEM FLEX varietal sensitivity. If variety tolerance is unknown, such as with new varieties, apply ANTHEM FLEX on a small area to confirm variety safety before use on large acreage.

Application Timings

ANTHEM FLEX may be applied in a single application or in sequential applications.

Delayed Preemergence Application

Apply ANTHEM FLEX at use rates specified in Table 7 as a broadcast spray to the soil surface following wheat planting when 80 percent of germinated wheat seeds have a shoot at least ½ inch long until wheat spiking to the soil surface with uniform seedbed which is firm and free of clods. Complete seed furrow closure and adequate soil coverage must occur to prevent seed contact with ANTHEM FLEX. Rainfall or irrigation of at least 0.5 inch prior to weed emergence is required for optimum herbicide activation and weed control. If rainfall or irrigation is not received within 7 days, weed control may be erratic.

Early Postemergence Application

Apply ANTHEM FLEX at use rates specified in Table 7 as a broadcast spray to wheat at spiking up to the 4th tiller growth stage. ANTHEM FLEX will provide residual control of weeds germinating after application and rainfall / irrigation activation. ANTHEM FLEX will not control all grasses or emerged weeds. Preplant, preemergence, delayed preemergence applications, and sequential applications with a labeled postemergence herbicide(s) for control of any emerged weeds. Apply as early as possible to obtain better weed control and reduce weed competition. Do not apply when conditions favoring drift exist or wind is above 10 mph. For optimum performance, make application to actively growing weeds up to 4 inches tall and rosettes less than 3 inches across. Coverage is essential for good control. The use of an adjuvant is recommended for consistent control.

Under high moisture conditions the crop may experience some temporary crop response. The crop will rapidly outgrow these effects and develop normally with no reduction in yield.

Tank Mixes.

For control of emerged weeds, weeds larger than listed in Table 2, and weeds not listed on the label, a tankmix partner is required.

WHEAT (Spring and Winter) EXCEPT in Washington, Oregon, Idaho and Montana - CROP SECTION

Application Rates

Application rates for ANTHEM FLEX when applied alone, in tank mix, or sequentially are provided in Table 7.

Table 7. Residual Rates of ANTHEM FLEX in Spring and Winter Wheat

<table>
<thead>
<tr>
<th>Application</th>
<th>Use Rate (oz/A) by Soil Texture</th>
<th>ANTHEM FLEX fl oz/A (lb a.i./A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing</td>
<td>Coarse</td>
<td>Medium</td>
</tr>
<tr>
<td>Delayed Preemergence</td>
<td>2.0 – 2.7 (0.063-0.085)</td>
<td>2.75 – 3.5 (0.086-0.112)</td>
</tr>
<tr>
<td>Early Postemergence</td>
<td>2.0 – 2.7 (0.063-0.085)</td>
<td>2.75 – 3.6 (0.086-0.114)</td>
</tr>
</tbody>
</table>

1 Refer to Table 3 for definitions of soil texture groups.

Spring and Winter Wheat Use Rate and Crop Restrictions

• DO NOT apply more than a maximum cumulative amount of 4.55 fl oz/A (0.142 lb ai/A containing 0.133 lb ai of pyroxasulfone and 0.0095 lb ai of carfentrazone) of ANTHEM FLEX per cropping season.

• DO NOT apply more than a total of 0.031 lb ai/A of carfentrazone-ethyl to wheat per year.

• DO NOT apply to durum wheat

• DO NOT apply preplant incorporated in wheat

• DO NOT apply preplant, preemergence, or delayed preemergence to broadcast seeded wheat

• DO NOT apply preemergence if ¼ in. or more of rain is expected within 48 hour of application.

• DO NOT apply if soil moisture is greater than 1.5 inches deep (plant seed at least 1 inch deep) after a preplant application or before a preemergence or delayed preemergence application

• DO NOT irrigate fields after a preemergence or delayed preemergence application until wheat spikes.

• DO NOT harvest, feed, or graze within 7 days after application.

Specific Spring and Winter Wheat Use Rates and Crop Restrictions

• DO NOT apply more than a maximum cumulative amount of 4.55 fl oz/A (0.142 lb ai/A containing 0.133 lb ai of pyroxasulfone and 0.0095 lb ai of carfentrazone) of ANTHEM FLEX per cropping season.

• DO NOT apply more than a total of 0.031 lb ai/A of carfentrazone-ethyl to wheat per year.

• DO NOT apply to durum wheat

• DO NOT apply preplant incorporated in wheat

• DO NOT apply preplant, preemergence, or delayed preemergence to broadcast seeded wheat

• DO NOT apply preemergence if ¼ in. or more of rain is expected within 48 hour of application.

• DO NOT seed wheat deeper than 1.5 in. (plant seed at least 1 inch deep) after a preplant application or before a preemergence or delayed preemergence application

WHEAT (Spring and Winter) WA, OR, ID & MT

Application Rates

Application rates for ANTHEM FLEX when applied alone, in tank mix, or sequentially are provided in Table 8.

Table 8. Residual Rates of ANTHEM FLEX in Spring and Winter Wheat

<table>
<thead>
<tr>
<th>Application</th>
<th>Use Rate (oz/A) by Soil Texture</th>
<th>ANTHEM FLEX fl oz/A (lb a.i./A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing</td>
<td>Coarse</td>
<td>Medium</td>
</tr>
<tr>
<td>Preplant Surface</td>
<td>2.5 – 2.7 (0.078-0.085)</td>
<td>2.75 – 3.5 (0.086-0.109)</td>
</tr>
<tr>
<td>Preemergence</td>
<td>2.0 – 2.7 (0.063-0.085)</td>
<td>2.75 – 3.5 (0.086-0.109)</td>
</tr>
<tr>
<td>Early Postemergence</td>
<td>2.0 – 2.7 (0.063-0.085)</td>
<td>2.75 – 3.6 (0.086-0.114)</td>
</tr>
</tbody>
</table>

1 Refer to Table 3 for definitions of soil texture groups.
DO NOT irrigate fields after a preemergence or delayed preemergence application until wheat spikes. DO NOT harvest, feed, or graze within 7 days after application.

Specific Spring and Winter Wheat Use Instructions and Precautions

- Rainfall and/or irrigation totaling at least 0.5 inch prior to weed emergence may be necessary for herbicide activation and optimum weed control. If no rain occurs within 7 days after application, apply overhead irrigation at 0.5 to 0.75 inch total volume. Use a maximum of 0.5 inch on coarse textured soils and a maximum of 1.0 inch on medium and fine textured soils.

- Excessive rainfall, irrigation, or prolonged wet soil conditions after application of ANTHEM FLEX from seed germination through seedling emergence may increase the risk of wheat seedling injury and should be avoided if possible.

- Before applying to wheat, verification of ANTHEM FLEX selectivity on your variety must be confirmed to avoid injury to sensitive wheat varieties. Check with the local Cooperative Extension agent for information on potential ANTHEM FLEX varietal sensitivity. If variety tolerance is unknown, such as with new varieties, apply ANTHEM FLEX on a small area to confirm variety safety before use on large acreage.

Application Timings

ANTHEM FLEX may be applied in a single application or in sequential applications.

Preplant Surface Application

Apply ANTHEM FLEX at the use rates specified in Table 8 as a broadcast spray to the soil surface no more than 30 days prior to planting on all soil types. If rainfall or irrigation is not received within 7 days, weed control may be erratic. Herbicide performance may be improved by a light incorporation (less than 2" deep) in the soil by mechanical means and is allowed under limited activation moisture conditions.

Apply preplant only to soils with a CEC greater than 15, pH less than 7.5 and with an O.M. content greater than 2% to reduce the risk of crop response.

Preemergence Surface Application

Apply ANTHEM FLEX at use rates specified in Table 8 after planting and before wheat spiking as a broadcast spray to the soil surface with uniform seedbed which is firm and free of clods. Rainfall or irrigation of at least 0.5 inch prior to weed emergence is required for optimum herbicide activation and weed control. If rainfall or irrigation is not received within 7 days, weed control may be erratic. Herbicide performance may be improved by a light incorporation (less than 2" deep) in the soil by mechanical means is allowed under limited activation moisture conditions. Complete seed furrow closure and adequate soil coverage must occur to prevent seed contact with ANTHEM FLEX.

Apply preplant only to soils with a CEC greater than 15, pH less than 7.5 and with an O.M. content greater than 2% to reduce the risk of crop response.

Delayed Preemergence Application

Apply ANTHEM FLEX at use rates specified in Table 8 as a broadcast spray to the soil surface following wheat planting when 80 percent of germinated wheat seeds have a shoot at least ½ inch long until wheat spiking to the soil surface with uniform seedbed which is firm and free.

Early Postemergence Application

Apply ANTHEM FLEX at use rates specified in Table 8 as a broadcast spray to wheat at spiking up to the 4TH tiller growth stage. ANTHEM FLEX will provide residual preemergence control of susceptible weeds after ANTHEM FLEX is activated by rainfall / irrigation. ANTHEM FLEX may be tank-mixed or applied as a sequential application with a labeled postemergence herbicide(s) for control of emerged weeds. Read and follow the most restrictive tank-mix partner label prior to application. For optimum postemergence performance of small emerged susceptible broadleaf weeds, apply ANTHEM FLEX to actively growing weeds up to 2 inches tall and rosettes less than 2 inches across. Thorough coverage is essential for control. The use of an adjuvant is recommended for consistent control.

Under high moisture conditions the crop may experience some temporary crop response. The crop will rapidly outgrow the effects and develop normally with no reduction in yield.

Early Postemergence Weed Control in Wheat

When used as directed in a postemergence application on wheat, ANTHEM FLEX will provide control of weeds listed in Table 2.

Tank Mixes.

For control of emerged weeds, weeds larger than listed in Table 2 and weeds not listed on the label, a tankmix partner is required.

Sequential Applications

If a sequential application program of ANTHEM FLEX is used (e.g., preplant or preemergence application followed by early postemergence application), the maximum combined rate of ANTHEM FLEX that may be applied in a cropping season is 2.75, 3.5, and 4.5 oz/A (0.082, 0.106, and 0.133 lb ai/A of pyroxasulfone), respectively for coarse, medium, and fine soils.

REPLANTING INSTRUCTIONS

If a labeled crop treated with ANTHEM FLEX is lost due to a natural catastrophe such as hail or frost, cotton, wheat, corn, and soybeans can be replanted immediately, provided this is not restricted on the label of a product used previously or by a product application in a tank mixture with ANTHEM FLEX.

ROTATIONAL CROPS

Table 9.

<table>
<thead>
<tr>
<th>Crop</th>
<th>ANTHEM FLEX Use Rate (oz/A)</th>
<th>Rotational Crop Interval (months after application)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>0.08</td>
<td>10 10 10 10 10 10</td>
</tr>
<tr>
<td>Canola, rapeseed</td>
<td>0.08</td>
<td>12 12 15 15 18</td>
</tr>
<tr>
<td>Corn</td>
<td>0.08</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>Cotton</td>
<td>0.08</td>
<td>2 4 4 4 4</td>
</tr>
<tr>
<td>Edible Succulent Peas, Succulent Edible Beans, and other Edible dry beans</td>
<td>0.08</td>
<td>11 11 11 11 11</td>
</tr>
<tr>
<td>Grain Sorghum</td>
<td>0.08</td>
<td>6 6 10 10 12</td>
</tr>
<tr>
<td>Grasses grown for seed</td>
<td>0.08</td>
<td>18 18 18 18 18</td>
</tr>
<tr>
<td>Lentils</td>
<td>0.08</td>
<td>6 6 6 8 8</td>
</tr>
<tr>
<td>Peanut</td>
<td>0.08</td>
<td>4 4 4 4 4</td>
</tr>
<tr>
<td>Pea, field (dry)</td>
<td>0.08</td>
<td>4 6 6 8 8</td>
</tr>
<tr>
<td>Potato</td>
<td>0.08</td>
<td>4 4 4 4 4</td>
</tr>
<tr>
<td>Rice</td>
<td>0.08</td>
<td>10 12 18 24 24</td>
</tr>
<tr>
<td>Small grains (other than wheat)</td>
<td>0.08</td>
<td>12 11 11 11 18 18</td>
</tr>
<tr>
<td>Soybean</td>
<td>0.08</td>
<td>0 0 0 4 4</td>
</tr>
<tr>
<td>Sugar beet</td>
<td>0.08</td>
<td>12 12 15 15 15</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.08</td>
<td>4 4 4 4 4</td>
</tr>
<tr>
<td>Sweet Potato</td>
<td>0.08</td>
<td>4 4 4 4 9</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.08</td>
<td>0 1 4 6 6</td>
</tr>
<tr>
<td>Other crops</td>
<td>0.08</td>
<td>16 18 18 18 18</td>
</tr>
</tbody>
</table>

NOTE: For rotational crop restrictions when ANTHEM FLEX is used in tank mixes or sequentially with other products, refer to the rotation intervals on the other product label for possible additional restrictions.

LABEL TRACKING INFORMATION

Label Code: 04-24-17

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