| GROUP | 15 | HERBICIDE |
|---|---|---|

# Charger Basic®

## Herbicide

**For weed control in corn, cotton, grasses grown for seed, peanuts, pod crops, potatoes, safflowers, sugar beets, sunflowers, grain or forage sorghum, soybeans, and tomatoes**

**ACTIVE INGREDIENT:**
S-metolachlor (CAS No. 87392-12-9) ..... 83.7%
**OTHER INGREDIENTS:** ..... 16.3%
**TOTAL** ..... 100.0%

Charger Basic contains 7.62 lbs. of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

# CAUTION

| FIRST AID | |
|---|---|
| **If in eyes** | • Hold eye open and rinse slowly and gently with water for 15-20 minutes.<br>• Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye.<br>• Call a poison control center or doctor for treatment advice |
| **If on skin or clothing** | • Take off contaminated clothing.<br>• Rinse skin immediately with plenty of water for 15-20 minutes.<br>• Call a poison control center or doctor for treatment advice. |
| **If swallowed** | • Call a poison control center or doctor immediately for treatment advice.<br>• Do not give any liquid to the person.<br>• Do not induce vomiting unless told to do so by the poison control center or doctor.<br>• Do not give anything by mouth to an unconscious person. |
| **If inhaled** | • Move person to fresh air.<br>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.<br>• Call a poison control center or doctor for further treatment advice. |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-424-7452 for emergency medical treatment information. | |

See booklet for additional Precautionary Statements, Complete Directions for Use, Warranty Disclaimer and Limitation of Warranty.

## PRECAUTIONARY STATEMENTS
## Hazards to Humans and Domestic Animals

**CAUTION:** Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. May cause skin sensitization reactions in certain individuals.

EPA Reg. No. 1381-207 EPA Est. 70989-IA-001

Distributed By:
Winfield Solutions, LLC
P.O. Box 64589
St. Paul, MN 55164-0589

Net Contents: _____ Gals.
Lot No. _____
1/0723/4

WINFIELD

AgriSOLUTIONS

Personal Protective Equipment (PPE)
Applicators and other handlers must wear:

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

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

**Engineering Control Statements:**
Mixers and loaders supporting aerial applications are required to use closed systems. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)]. When using the closed system, the mixers' and loaders' PPE requirements may be reduced or modified as specified in the WPS.

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.

**User Safety Recommendations**
Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

## Ground Water Advisory

The active ingredient in CHARGER BASIC has the potential to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

## Surface Water Advisory

The active ingredient in CHARGER BASIC has the potential to contaminate surface water through ground spray drift. Under some conditions, the active ingredient may also have a high potential for runoff into surface water (primarily via dissolution in runoff water) for several months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

## Mixing/Loading Instructions (2½ gallon)

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-valves or antisiphoning devices must be used on all mixing and/or irrigation equipment.

This product may not be mixed or loaded within 50 ft. of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be mixed/loaded or used within 50 ft. of all wells, including abandoned wells, drainage wells, and sink holes*.

*For exceptions to this restriction, see the Environmental Hazards section of the Precautionary Statements.

## Mixing/Loading Instructions (Bulk)

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-valves or antisiphoning devices must be used on all mixing and/or irrigation equipment.

This product may not be mixed or loaded within 50 ft. of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be mixed/loaded or used within 50 ft. of all wells, including abandoned wells, drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft. 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 rain-water that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which 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 at 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 contact with the pad shall have a minimum containment 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-specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site.

## DIRECTIONS FOR USE

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

CHARGER BASIC should be used only in accordance with recommendations on this label or in separately published EPA accepted supplemental labeling recommendations for this product.

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 regulations.

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

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

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks

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

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

**Note: Not for sale, use or distribution in Nassau County or Suffolk County, New York.**

## STORAGE AND DISPOSAL

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

**Pesticide Storage**

This product may be stored at temperatures down to 30 degrees below 0 F.

**Pesticide Disposal**

Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

**Container Disposal:** Use label language appropriate for container size and type.

**Nonrefillable containers.** Do not reuse or refill this container. Clean container promptly after emptying.
**Nonrefillable container equal to or less than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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.
**Nonrefillable container greater than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate 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 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.
**Refillable container.** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility 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 from this container into application equipment or mix tank. Fill the container about 10 percent 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 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.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300**

## General Information

Observe all precautions and limitations on the labels of each product used in tank mixtures. Tank mixtures are permitted only in those states where the tank mix partner is registered. Refer to and follow the label for each tank mix product used for precautionary statements, directions for use, geographic and other restrictions.

CHARGER BASIC is a selective herbicide recommended as a preplant surface-applied, preplant incorporated, or preemergence treatment in water or fluid fertilizer for control of most annual grasses and certain broadleaf weeds in corn (all types), cotton, grasses grown for seed, peanuts, pod crops, potatoes, safflowers, sugar beets, sunflowers, grain or forage sorghum, soybeans, and tomatoes.

**Note:** Do not use in nurseries, turf, or landscape plantings.
Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas.

To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sand soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
- Do not apply to impervious substrates, such as paved or highly compacted surfaces.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops, unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Where directions specify a CHARGER BASIC tank mixture with AAtrex® formulations, other brands of atrazine may be used. Follow the rates, recommendations, and limitations on the AAtrex or respective atrazine product label if other brands of atrazine are used.

**Note:** Certain states may have established rate limitations for atrazine within specific geographical areas. Consult your state lead pesticide control agency for additional information. It is a violation of this label to deviate from state use regulations.

If CHARGER BASIC is incorporated, any supplemental tillage before planting must not exceed the depth of incorporation.

Dry weather following preemergence application of CHARGER BASIC or a tank mixture may reduce effectiveness. Cultivate if weeds develop.

Where reference is made to weeds partially controlled, partial control can either mean erratic control from good to poor, or consistent control at a level below that generally considered acceptable for commercial weed control.

*Precaution: Injury may occur following the use of CHARGER BASIC under abnormally high soil moisture conditions during early development of the crop.*

**RESISTANCE MANAGEMENT RECOMMENDATIONS**

Charger Basic is a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to Charger Basic and other Group 15 herbicides. Weed species with acquired 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 Charger Basic or other Group 15 herbicides.

To delay herbicide resistance consider:

- Avoiding the consecutive use of Charger Basic or other target site of action Group 15 herbicides that have a similar target site of action, on the same weed species.
- Using tank-mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or Winfield Solutions, LLC representative for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

**SOIL TEXTURES AND HERBICIDE RATES**

Where rates are based on coarse-, medium-, or fine-textured soils, it is understood that soil textural classes are generally categorized as follows:

| Coarse | Medium | Fine | |
|---|---|---|---|
| Sand | Loam | Sandy clay loam | Silty clay loam |
| Loamy sand | Silt loam | Clay loam | Sandy clay |
| Sandy loam | Silt | Silty clay | Clay |

Within rate ranges in the rate tables and elsewhere on this label, use the lower rate on soils relatively coarse-textured or low in organic matter; use the higher rate on soils relatively fine-textured or high in organic matter.

**Note:** CHARGER BASIC may be applied preemergence alone, or in combination with tank mix partners specified on this label, following preplant incorporated herbicides when used according to their label recommendations, provided that such use is not prohibited on the respective labels.

Thoroughly clean sprayer or other application device before using. Dispose of cleaning solution in a responsible manner. Do not use a sprayer or applicator contaminated with any other materials, or crop damage or clogging of the application device may result.

**CHARGER BASIC APPLIED ALONE**

**WEEDS CONTROLLED**

| **Grasses** | **Sedges** | **Broadleaves** |
|---|---|---|
| barnyardgrass (watergrass) | yellow nutsedge | carpetweed |
| bristly foxtail | | common waterhemp |
| crabgrass | | Eastern black nightshade |
| crowfootgrass | | Florida pusley |
| fall panicum | | galinsoga |
| foxtail millet | | pigweed |
| giant foxtail | | Powell amaranth |
| goosegrass | | Palmer pigweed |
| green foxtail | | tall waterhemp |
| prairie cupgrass | | tropical spiderwort |
| red rice | | |

robust foxtails (purple,white)
signalgrass *(Brachiaria)*
southwestern cupgrass
wild proso millet*
witchgrass
woolly cupgrass*
yellow foxtail

*For control of these weeds in corn only, refer to the **Corn – Woolly Cupgrass and Wild Proso Millet Control Program** section of this label.

**Weeds Partially Controlled*:** common purslane, eclipta, Florida beggarweed**, hairy nightshade, sandbur, seedling johnsongrass, shattercane, Texas panicum***, volunteer sorghum, wild proso millet, and woolly cupgrass.

*See **General Information** section. Control of these weeds can be erratic, due partially to variable weather conditions. Control may be improved by following these suggested procedures:

- **Thoroughly till moist soil** to destroy germinating and emerged weeds. If CHARGER BASIC is to be applied preplant incorporated, this tillage may be used to incorporate CHARGER BASIC if uniform 2-inch incorporation is achieved as recommended under **Application Procedures**.
- Plant crop into moist soil **immediately after tillage**. If CHARGER BASIC is to be used preemergence, apply at planting or immediately after planting.
- If available, **sprinkler irrigate** within 2 days after application. Apply ½-1 inch of water. Use lower water volume (½ inch) on *coarse-textured soils* and higher volume (1 inch) on *fine-textured soils*. Also, refer to the section on **Center Pivot Irrigation Application** for this method of applying CHARGER BASIC.
- If irrigation is not possible and rain does not occur within 2 days after planting and application, weed control may be decreased. Under these conditions, a uniform, shallow cultivation is recommended as soon as weeds emerge.

**For partial control of this weed, use a minimum of 1.33 pts./A and apply preemergence.

***For partial control of this weed, use a minimum of 1.33 pts./A and apply through a center pivot irrigation system.

**ROTATIONAL CROPS**
Do not rotate to food or feed crops other than those listed below.

**CHARGER BASIC Alone:** (1) If crop treated with CHARGER BASIC alone is lost, any crop on this label may be replanted immediately. Do not make a second broadcast application of CHARGER BASIC. If the original application was banded and the second crop is planted in the untreated row middles, a second banded treatment may be applied. (2) Barley, oats, rye, or wheat may be planted 4 ½ months following treatment; alfalfa may be planted 4 months following application. (3) Any crop on this label, in addition to root crops, tobacco, barley, buckwheat, milo, oats, rice, rye, wheat, cabbage, or peppers, may be planted in the spring following treatment. Clover may be seeded 9 months following application. Do not graze or feed forage or fodder from cotton to livestock. (4) Following a lay-by treatment or multiple treatments applied the previous season, any crop on this label, in addition to tobacco, cabbage, or peppers, may be planted in the spring.

**CHARGER BASIC Tank Mixtures:** For **Rotational Crops** restrictions for CHARGER BASIC used in tank mixtures, refer to the statements/restrictions above for CHARGER BASIC and to the respective product labels of any mixing partner(s) for additional statements/restrictions.

**Important Notes:** To avoid injury to rotational alfalfa or clover, (1) Do not apply more than 1.9 lbs. active ingredient per acre (2.0 pts. of CHARGER BASIC) preemergence (including preplant surface incorporated, postplant incorporated, etc.), and (2) Do not make lay-by or other postemergent applications of CHARGER BASIC.

**APPLICATION PROCEDURES**
**Application Timing**

CHARGER BASIC alone or in some tank mixtures with other labeled herbicides may be applied for weed control in certain crops at various times. Refer to the given crop section of the label to determine if application timings listed below are recommended.

- **Preplant Surface-Applied**: For minimum-tillage or no-tillage systems only, CHARGER BASIC alone and some CHARGER BASIC tank mixtures may be applied up to 45 days before planting certain crops. Use only split applications for treatments made 30-45 days before planting, with 2/3 the recommended broadcast rate for the crop and soil texture applied initially and the remaining 1/3 at planting. Treatments less than 30 days before planting may be made either as a split or a single application. Refer to individual crop to determine if early preplant surface application is recommended. If weeds are present at the time of treatment, apply in a tank mixture combination with a contact herbicide (for example, Gramoxone® MAX or Roundup®). Observe directions for use, precautions, and restrictions on the label of the contact herbicide. To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.
- **Preplant Incorporated:** Apply CHARGER BASIC to the soil and incorporate into the top 2 inches of soil within 14 days before planting, using a finishing disk, harrow, rolling cultivator, or similar implement capable of providing uniform 2-inch incorporation. Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected. If crop will be planted on beds, apply and incorporate CHARGER BASIC after bed formation, unless specified otherwise.
- **Preemergence:** Apply CHARGER BASIC during planting (behind the planter) or after planting, but before weeds or crops emerge.
- **Postemergence:** CHARGER BASIC may be applied postemergence to corn, up to 40 inches tall. CHARGER BASIC will not provide postemergence weed control so it must be applied to a weed-free soil surface or in combination with products that provide postemergence control of weed species present at the time of application. Use only where allowed in crop specific directions for use.

**Special Application Procedures**

- **CA Only (Corn, Safflowers, Pod Crops): Preplant Incorporated:** Broadcast CHARGER BASIC alone or with tank mix partners listed on this label to the soil and thoroughly incorporate with a disk or similar implement set to till 4-6 inches deep. For more thorough incorporation, till the soil in 2 different directions (cross-till). Crops may be planted on flat surface or on beds. Caution should be used when forming the beds that only soil from the CHARGER BASIC treated zone is used (i.e., untreated soil should not be brought to soil surface). If the application is made to preformed beds, incorporate CHARGER BASIC with a tillage implement set to till 2-4 inches deep. Care should be taken during tilling to keep the tilled (CHARGER BASIC treated) soil on the beds. **Preemergence:** Apply CHARGER BASIC after planting. Water with sprinkler or flood irrigation within 7-10 days.
- **Fall Application (Only in IA, MN, ND, SD, WI, and portions of NE and IL - See specific instructions in the Corn, Soybeans, and Pod Crops sections of this label for timing of application and other information):** Do not apply to frozen ground. Use on medium and fine soils with greater than 2.5% organic matter that will be planted to corn or soybeans the next spring. Ground may be tilled before or after application. Do not exceed a 2 to 3-inch incorporation depth if tilled after treatment. **Note:** If a spring application is made, the total rate of the fall plus spring applications must not exceed the maximum total rate for the specific crop, or illegal residues may result.

**Ground Application:** Apply CHARGER BASIC alone or in tank mixtures by ground equipment in a minimum of 10 gals. of spray mixture per acre, unless otherwise specified.

Use sprayers that provide accurate and uniform application. For CHARGER BASIC tank mixtures with wettable powder or dry flowable formulations, screens and strainers should be no finer than 50-mesh. Rinse sprayer thoroughly with clean water immediately after use.

Calculate the amount of herbicide needed for band treatment by the formula:

| | | | | |
|---|---|---|---|---|
| band width in inches | | broadcast rate | | amount needed |
| row width in inches | X | per acre | = | per acre of field |

For information on applying in lower volumes of carrier, see **Low Carrier Application** section.

For application by air or through center pivot systems, see **Aerial Drift Management** and **Aerial Drift Reduction Advisory Information** sections.

For information on impregnating dry fertilizer, see **Dry Bulk Granular Fertilizers** section.

For information on application using variable-rate technologies, see **Variable-Rate Application** section.

**SPRAY EQUIPMENT**
**LOW CARRIER APPLICATION**
**For Broadcast Ground Application Only**

Use sprayers, such as, Hagie, John Deere Hi-Cycle™, Melroe Spra-Coupe, or Willmar Air Ride®, that provide accurate and uniform application. **Only water may be used as a carrier**. Screens in suction and in-line strainers should be 50-mesh. Manufacturers may require that tip screens as fine as 100-mesh be used with some nozzles. Use a pump with capacity to: (1) maintain up to 35-40 psi at the nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension. Use a minimum of 5.0 gals. of spray mixture per acre. Maximum recommended sprayer speed is 15 mph. Rinse sprayer thoroughly with clean water immediately after each use.

**Note:** Low pressure nozzles are recommended to reduce drift and increase application accuracy. Care should be taken when using automatic rate controlling devices to spray the material within the rated working pressure and flow ranges of the nozzles selected. Nozzle screens should be used when recommended by the manufacturer. All nozzles should be placed on 20-inch centers, except flooding types which should be placed on 40-inch centers. When Flat Fan-type nozzles are used, angles of 80° or 110° are recommended. Always read and follow the manufacturer's directions for optimum setup and performance of their nozzles or tips.

**AERIAL APPLICATION**
Apply CHARGER BASIC in water alone or in tank mixtures with AAtrex, Lexone®, Lorox®, or Sencor® in a minimum total volume of 2.0 gals./A by aircraft. CHARGER BASIC may also be applied by air in combination with Balan®, Framework® or Trust®. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. In order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 ft., using low-drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply CHARGER BASIC alone or CHARGER BASIC + AAtrex by aircraft at a minimum upwind distance of 400 ft. from sensitive plants, or apply CHARGER BASIC + Lexone, Lorox, or Sencor at a minimum upwind distance of 300 ft. from sensitive plants.

**Aerial Drift Management**
The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

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

- The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

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

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** section below.

**Aerial Drift Reduction Advisory Information**
**Information on Droplet Size**
The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind**, **Temperature and Humidity**, and **Temperature Inversions**).

**Controlling Droplet Size**
- **Volume –** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure –** Do not exceed the nozzle manufacturer’s recommended pressures. For many nozzle types, lower pressure produces larger droplets. When 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 parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type –** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**Application Height**
Applications should not be made at a height greater than 10 ft. above the top of the largest plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

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

**Wind**
Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns.

**Temperature and Humidity**
When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is greatest when conditions are both hot and dry.

**Temperature Inversions**
Applications should not occur during a temperature inversion 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 the light variable winds common during inversions. 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 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 layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**Sensitive Areas**
The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

**CENTER PIVOT IRRIGATION APPLICATION**
CHARGER BASIC alone or in tank mixture with other herbicides on this label, which are registered for center pivot application, may be applied in irrigation water preemergence (after planting, but before weeds or crop emerge) at rates recommended on this label. CHARGER BASIC also may be applied postemergence to the crop and preemergence to weeds in crops where postemergence applications are allowed on this label. Follow all restrictions (height, timing, rate, etc.) to avoid illegal residues. Apply this product only through a center pivot irrigation system. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Operating Instructions**

- The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump or piston pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Prepare a mixture with a minimum of 1 part water to 1 part herbicide(s) and inject this mixture into the center pivot system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the herbicide in suspension.
- Meter into irrigation water during entire period of water application.
- Apply in ½-1 inch of water. Use the lower water volume (1/2 inch) on *coarse-textured soils* and the higher volume (1 inch) on *fine-textured soils*. More than 1 inch of water at application may reduce weed control by moving the herbicide below the effective zone in the soil.

Precaution for center pivot applications: Where sprinkler distribution patterns do not overlap sufficiently, unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively, crop injury may result.

**DRY BULK GRANULAR FERTILIZERS**

Many dry bulk granular fertilizers may be impregnated or coated with CHARGER BASIC alone or selected CHARGER BASIC tank mixtures which are registered for preplant incorporated or preplant surface application which are used to control weeds in crops on the CHARGER BASIC label and are not prohibited from use on dry bulk granular fertilizers.

When applying CHARGER BASIC or CHARGER BASIC mixtures with dry bulk granular fertilizers, follow all directions for use and precautions on the respective product labels, regarding target crops, rates per acre, soil texture, application methods (including timing of application), and rotational crops.
All individual state regulations relating to dry bulk granular fertilizer blending, registration, labeling, and application are the responsibility of the individual and/or company selling the herbicide/fertilizer mixture.

Prepare the herbicide/fertilizer mixtures by using any closed drum, belt, ribbon, or other commonly used dry bulk fertilizer blender. Nozzles used to spray CHARGER BASIC and CHARGER BASIC mixtures onto the fertilizer must be placed to provide uniform spray coverage. Care should be taken to aim the spray directly onto the fertilizer only and to avoid spraying the walls of the blender.

If the herbicide/fertilizer mixture is too wet, add a highly absorptive material, such as Agsorb® or similar granular clay or diatomaceous earth materials, to obtain a dry, free-flowing mixture. Absorptive materials should be added only after the herbicide has been thoroughly blended into the fertilizer mixture. Best application results will be obtained by using a granule of 6/30 particle size or of a size similar to that of the fertilizer material being used. Generally, less than 2% by weight of absorptive material will be needed. Avoid using more than 5% absorptive material by weight.

Calculate amounts of CHARGER BASIC, AAtrex, AAtrex + Princep®, Balance® Pro, Princep, Sencor, Lexone, or Sonalan® by the following formula:

| | | | | |
|---|---|---|---|---|
| $\frac{2000}{\text{lbs. of fertilizer per acre}}$ | X | pts./A of liquid or flowable product | = | pts. of liquid or flowable product per ton of fertilizer |
| $\frac{2000}{\text{lbs. of fertilizer per acre}}$ | X | lbs./A of dry product | = | lbs. of dry product per ton of fertilizer |

**Pneumatic (Compressed Air) Application (CHARGER BASIC Alone):** High humidity, high urea concentrations, low fertilizer use rates, and dusty fertilizer may cause fertilizer mixture to build up or plug the distributor head, air

tubes, or nozzle deflector plates. To minimize buildup, premix CHARGER BASIC with Exxon Aromatic 200 at a rate of 1.0-4.0 pts./gal. of CHARGER BASIC. Aromatic 200 is a noncombustible/nonflammable petroleum product. Aromatic 200 may be used in either a fertilizer blender or through direct injection systems. Drying agents should not be used when using Aromatic 200.

**Notes:** (1) Mixtures of CHARGER BASIC and Aromatic 200 must be used on dry fertilizer only. Poor results or crop injury may result if these mixtures are used in water or liquid fertilizer solutions for spraying applications. (2) When impregnating CHARGER BASIC in a blender before application, a drier mixture can be attained by substituting a drying agent for Aromatic 200. The use of Agsorb FG or drying agents of 6/30 particle size are recommended. (3) Drying agents are not recommended for use with On-The-Go impregnation equipment.

*Precautions: To avoid potential for explosion, (1) Do not impregnate CHARGER BASIC or CHARGER BASIC mixtures on ammonium nitrate, potassium nitrate, or sodium nitrate, either alone or in blends with other fertilizers. (2) Do not use CHARGER BASIC or CHARGER BASIC mixtures on straight limestone, since absorption will not be achieved. Fertilizer blends containing limestone can be impregnated.*

**Application**
Apply 200-700 lbs. of the herbicide/fertilizer mixture per acre. For best results, apply the mixture uniformly to the soil with properly calibrated equipment immediately after blending. Uniform application of the herbicide/fertilizer mixture is essential to prevent possible crop injury. Nonuniform application may also result in unsatisfactory weed control. In areas where conventional tillage is practiced, a shallow incorporation of the mixture into the soil may improve weed control. On fine- or medium-textured soils in areas where soil incorporation is not planned, i.e., reduced tillage situations or in some conventional till situations, make applications approximately 30 days before planting to allow moisture to move the herbicide/fertilizer mixture into the soil. On coarse-textured soils, make applications approximately 14 days prior to planting.

*Precaution: To avoid crop injury, do not use the herbicide/fertilizer mixture on crops where bedding occurs.*

**VARIABLE-RATE APPLICATION**
**Variable-Rate Broadcast Ground Application for Corn and Soybeans**
Variable-rate technologies may be used for more precise applications. Two additive factors have been determined for use in applications using variable-rate technologies. One of these factors (A) is directly related to soil texture and the other (B) is related to percent organic matter (OM) and soil texture. When these two factors are added together, the resulting application rate will be more precise for a soil of a given soil texture and organic matter content. Use the formulas below to assure a more precise rate for any given area within a field.

**Formulas* for Preplant Surface-Applied, Preplant Incorporated, Preemergence, and Early Preplant Applications**

Refer to specific instructions regarding these applications in the **Application Procedures** section of this label, as well as the appropriate crop section.

| | **Rates in Pints Per Acre** | | | | | |
|---|---|---|---|---|---|---|
| | **Preplant Surface-Applied Preplant Incorporated Preemergence** | | | **Early Preplant** | | |
| **Soil Texture** | **Factors** | | | **Factors** | | |
| | **A** | | **B** | **A** | | **B** |
| **COARSE** | 1.0 | + | (0.1 x % OM) | 1.2 | + | (0.10 x % OM) |
| **MEDIUM** | 1.17 | + | (0.1 x % OM) | 1.4 | + | (0.08 x % OM) |
| **FINE** | 1.33 | + | (0.1 x % OM) | 1.67 | + | (0.067 x % OM) |

*Do not use on soils with greater than 8% organic matter (OM).

**Formulas* for Fall Applications**
This product is registered for use only where corn or soybeans will be grown the following year in IA, MN, SD, ND, WI, and portions of NE and IL. Refer to specific instructions and restrictions regarding fall applications in the **Corn** and **Soybeans** sections of this label.

| Soil Texture | Rates in Pints Per Acre<br>Fall Applications<br>Factors | | |
|---|---|---|---|
| | **A** | | **B** |
| **COARSE** | DO NOT USE | | |
| **MEDIUM** | 1.4 | + | (0.113 x % OM) |
| **FINE** | 1.8 | + | (0.067 x % OM) |

*Do not use on soils with greater than 8% organic matter (OM).

**MIXING INSTRUCTIONS**
**CHARGER BASIC Alone:** Mix CHARGER BASIC with water or fluid fertilizer and apply as a spray. Fill the spray tank ½-¾ full with water or fluid fertilizer, add the proper amount of CHARGER BASIC, then add the rest of the water or fluid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

**Tank Mixtures:** Fill the spray tank ¼ full with water, and start agitation; add 2,4-D, AAtrex, Balance Pro, Balan, Basagran®, Butoxone®, Butyrac®, Canopy®, Caparol® 4L, Command®, Cotoran®, Eptam®, Framework®, Gemini®, Lexone, Liberty® Herbicide, Liberty ATZ Herbicide, Lorox, Lorox Plus®, Preview®, Princep, Pursuit®, AAtrex + Princep, Scepter®, Sencor, Sonalan, Starfire®, or Trust and allow it to become dispersed; then add CHARGER BASIC; then add Gramoxone MAX, Landmaster® BW, or Roundup (glyphosate products) if these products are being used; and finally the rest of the water. For tank mixtures with AAtrex, Balance, Canopy, Caparol 4L, Command, Cotoran*, Eptam, Framework, Gemini, Lexone, Lorox, Lorox Plus, Preview, Princep, Pursuit, AAtrex + Princep, Scepter, Sencor, Sonalan, Starfire or Trust, fluid fertilizers may replace all or part of the water as carrier, except in the AAtrex postemergence tank mix. For tank mixtures with AAtrex, see additional mixing instructions on the AAtrex label. For each mixture, check compatibility with fluid fertilizer, as described below, before mixing in spray tank. For all tank mixtures, agitate during mixing and application to maintain a uniform suspension.

*See **Special Mixing Instructions** for tank mixtures with Cotoran, and with AAtrex or Princep +Framework under the appropriate tank mixture section.

For directions on how to conduct a compatibility test, see the **Compatibility Test** section.

**COMPATIBILITY TEST**
A jar test is recommended before tank mixing to ensure compatibility of CHARGER BASIC with other pesticides. The following test assumes a spray volume of 25 gals./A. For other spray volumes, make appropriate changes in the ingredients.

**Note**: Nitrogen solutions or complete fluid fertilizers may replace all or part of the water in the spray. Because liquid fertilizers vary, even within the same analysis, **always check compatibility with pesticide(s) before use.** Incompatibility of tank mixtures is more common with suspensions of fertilizer and pesticides.

**Test Procedure**
- Add 1.0 pt. of carrier (fertilizer or water) to each of 2 one qt. jars with tight lids. **Note**: Use the same source of water that will be used for the tank mix and conduct the test at the temperature the tank mix will be applied.
- To one of the jars, add ¼ tsp. or 1.2 milliliters of a compatibility agent approved for this use, such as Compex (1/4 tsp. is equivalent to 2.0 pts./100 gals. spray) or Complete at its labeled rate. Shake or stir gently to mix.
- To both jars, add the appropriate amount of pesticide(s) in their relative proportions based on recommended label rates. If more than one pesticide is used, add them separately with dry pesticides first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix.
- After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15-30 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving

compatibility: (a) Slurry the dry pesticide(s) in water before addition, or (b) add ½ the compatibility agent to the fertilizer or water and the other ½ to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

- After compatibility testing is complete, dispose of any pesticide wastes in accordance with the **Storage and Disposal** section in this label.

**CROP USE DIRECTIONS**

**CORN (ALL TYPES) – CHARGER BASIC ALONE**
Apply CHARGER BASIC, either preplant surface, preplant incorporated, preemergence, or lay-by, using the appropriate rate specified below.

**PREPLANT SURFACE-APPLIED**
Refer to instructions for use of CHARGER BASIC alone under **Application Procedures**.

**Fall Application:**

- Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
- Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
- Apply after October 31 north of Route 136 in IL.

In all locations, apply to crop stubble after harvest when the sustained soil temperature at a 4-inch depth is less than 55°F and falling. In minimum-till or no-tillage systems on soils having greater than 2.5% organic matter, use 1.67-2.0 pts./A on *medium-textured* and 2.0 pts./A on *fine-textured soils*. Do not apply to frozen ground. A tillage operation may precede the application. A fall and/or a spring tillage may follow application, but do not exceed an incorporation depth greater than 2-3 inches. Minimize furrow and ridge formation in the tillage operations. **Note:** If a spring application is made, the total rate of the fall plus spring applications must not exceed the maximum total rate for corn, or illegal residues may result.

**Early Pre-plant Applications**

A. Use on medium- and fine-textured soils with minimum-tillage or no-tillage systems in CO, IA, IL, IN, KS, KY, MN, MO, MT, ND, NE, SD, TN, WI, and WY. Apply 2/3 the recommended rate of CHARGER BASIC (1.67 pts./A on *medium soils* and 2.0 pts./A on *fine soils*) as a split treatment 30-45 days before planting and the remainder at planting. Applications made less than 30 days prior to planting may be as either a split or single treatment. Apply 1.33 pts./A on *coarse soils* not more than 2 weeks prior to planting. **Note:** If a spring application is made, the total rate of the fall plus spring application must not exceed the maximum total rate for corn, or illegal residues may result.

B. On medium- and fine-textured soils with minimum- or no-tillage systems in CT, DE, MA, MD, ME, MI, NH, NY, OH, PA, RI, VA, VT, and WV, preplant surface applications may be applied following the directions for use above. If the amount of rainfall results in unsatisfactory length of weed control following the earlier treatment, a postemergence application of an appropriately labeled broadleaf and/or grass weed herbicide may be used, i.e., AAtrex, Beacon®, Bicep MAGNUM, Bicep II MAGNUM®, Charger Max ATZ, Exceed®, Accent®, Basagran, bromoxynil (Brominal® or Moxy®), or 2,4-D. If the postemergence treatment includes the herbicide used preplant surface-applied, do not exceed the total labeled rate for corn on a given soil texture. Observe all directions for use, precautions, and limitations on the label of the postemergent herbicide.

**PREPLANT INCORPORATED OR PREEMERGENCE**
Follow instructions for use of CHARGER BASIC alone under **Application Procedures**. On *coarse soils*, apply 1.0-1.33 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.33 pts./A if organic matter content is 3% or greater. On *medium soils*, apply 1.33-1.67 pts./A of CHARGER BASIC. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.67-2.0 pts./A if organic matter content is 3% or greater.

**POSTEMERGENCE OR LAY-BY**
To extend the duration of weed control in corn, a maximum rate of 2.0 pts./A of CHARGER BASIC may be applied after corn emergence until the corn plants reach 40 inches in height, following any preplant surface-applied, preplant incorporated, or preemergence herbicide application, including CHARGER BASIC. For best results, applications should be made to soil free of emerged weeds and directed toward the base of corn plants in excess of 5 inches tall. The total CHARGER BASIC rate applied on corn during any one crop year should not exceed 3.9 pts./A, depending on soil texture.

**Note for all applications to corn:** To avoid possible illegal residues, (1) do not graze or feed forage from treated areas for 30 days following application and (2) do not harvest sweet corn ears from treated areas for 30days following application.

**PROBLEM WEED CONTROL DIRECTIONS**

**Shattercane, Wild Proso Millet, Woolly Cupgrass, and Eclipta** – **Partial Control:** For more consistent partial control of shattercane, wild proso millet, woolly cupgrass, or eclipta, apply 1.0-1.33 pts./A of CHARGER BASIC preplant incorporated followed by 1.0-1.33 pts./A of CHARGER BASIC preemergence. Make the preemergence application during or after planting, but before weeds and corn emerge. Apply the 1.33 pts./A rate of CHARGER BASIC when a heavy infestation of shattercane, wild proso millet, woolly cupgrass, or eclipta is expected. A shallow cultivation may be needed to control any late emerging weeds.

**Woolly Cupgrass and Wild Proso Millet Control Program:** For control of these species, use the following 3-step program: (1) Apply CHARGER BASIC early preplant, preplant incorporated, or preemergence at 1.67 pts./A on *medium soils* and 2.0 pts./A on *fine-textured soils*, up to the maximum label rate. Lightly incorporate with a rotary hoe if rainfall does not occur within 5-7 days; (2) Apply a postemergence tank mix of Beacon at 0.38 oz./A or Exceed at 1 packet per 4 acres plus Accent SP at 0.33 oz./A plus 1.0 qt. of crop oil concentrate plus 1.0 gal./A of 28% nitrogen, or the equivalent amount of ammonium sulfate, when grasses are 2-3 inches tall and the corn is at least 4 inches tall; and (3) Cultivate 14-21 days after the postemergence application.

**Notes:** (1) Do not apply more than the labeled application rate for a given soil texture per year, either as a single or split treatment, or illegal residues may result. (2) In corn, CHARGER BASIC may be used up to 2.6 pts./A as either a preplant surface, preplant incorporated, or preemergence treatment on soils having an organic matter content between 6% and 20%. (3) In the event of escape of annual weeds following a preplant surface, preplant incorporated, or preemergence treatment of CHARGER BASIC, follow with a postemergence application of an appropriately labeled broadleaf and/or grass weed herbicide, i.e., AAtrex, Beacon, Bicep II MAGNUM, Charger Max ATZ, Exceed, Accent, Basagran, Brominal, Moxy, or 2,4-D. If the postemergence treatment includes the herbicide used in the earlier treatment, do not exceed the total labeled rate for corn on a given soil texture. (4) Brominal or Moxy may be applied postemergence alone or in tank mix combination with AAtrex. Do not exceed 1.2 lbs. a.i./A of AAtrex in tank mix combination with Brominal or Moxy postemergence. Refer to the AAtrex, Brominal, and Moxy labels for specific rates and precautions. (5) Do not use CHARGER BASIC on peat or muck soils.

**CORN – CHARGER BASIC COMBINATIONS**

CHARGER BASIC in any tank mixture for corn may be applied in water or fluid fertilizer before corn emerges. Use only water as a carrier when CHARGER BASIC is applied after corn emergence.

**Note:** For all applications to corn, (1) do not graze or feed forage from treated areas for 30 days following application, or possible illegal residues may result and (2) do not harvest sweet corn ears from treated areas for 30 days following application.

**IMPORTANT: FOR TANK MIXTURES WITH AATREX (OR OTHER BRANDS OF ATRAZINE) – If applying CHARGER BASIC in tank mixture with AAtrex, all the restrictions and rate limitations on the AAtrex label must be followed if more restrictive/protective than those on this label. In addition, if AAtrex is/must be applied at rates lower than those recommended on this label, broadleaf weed control may be affected. Refer to the AAtrex label for weeds controlled at the reduced rates.**

**Chart 1: CHARGER BASIC Tank Mixtures for Corn – Additional Weeds Controlled and Special Instructions**

| | **CHARGER BASIC + Atrazine and/or Princep (Preplant Surface, PPI, PRE)** | **CHARGER BASIC + AAtrex (Post)** | **CHARGER BASIC + AAtrex + Lorox** | **CHARGER BASIC + AAtrex or Princep + Framework** | **CHARGER BASIC + Balance Pro*** |
|---|---|---|---|---|---|
| **Special Mixing Instructions** | | | | **1** | |
| **Comments** | 2,3,4,5,7,8 | 2,3,4,5 | 2,3,4,5,6 | 2,3,4,5 | 2,3,7 |
| Browntop panicum | X | | X | X | |
| Cocklebur | X | 0 | X | X | |
| Common purslane | X | | X | X | X |
| Hairy nightshade | X | | X | X | |
| Jimsonweed | | X | | | X |
| Kochia | | X | | | X |
| Lambsquarters | X | X | X | X | X |
| Morningglory | X | 0 | X | X | |
| Mustard | | X | | | X |
| Pigweed | | | X | X | X |
| Prickly sida | | X | | | |
| Ragweed | X | X | X | X | X |
| Smartweed | X | X | X | X | X |
| Velvetleaf | X | X | X | X | 0-X |

X = control; 0 = partial control; 0-X = partial to full control depending on ratio of products used or on weed population
*Field corn only

**Comments**

1. **Special Mixing Instructions for CHARGER BASIC + AAtrex or Princep or and Framework:** (A) Fill the spray tank ¼ full with water or fluid fertilizer and start agitation. (B) To aid compatibility, add a compatibility agent at 4.0 pts./100 gals. of spray mixture. (C) Then add the AAtrex or Princep and allow it to become dispersed. (D) Then add CHARGER BASIC and Framework. (E) Add the rest of the water.
2. Although a single formulation for AAtrex or Princep is listed in the rate tables, other formulations may be substituted, using the following formula:

   1.0 lb. of AAtrex Nine-O® or Princep Caliber 90® = 1.8 pts. of AAtrex 4L or Princep 4L.
3. Although directions specify AAtrex formulations in tank mixture with CHARGER BASIC, other brands of atrazine may be used. Follow the rates, recommendations, and limitations on the atrazine label.
4. See additional mixing instructions on the AAtrex label.
5. *Precaution: Do not exceed a total of 2.5 lbs. a.i. of atrazine per acre per year. However, certain states may have established rate limitations for atrazine within specific geographical areas. Consult your state lead pesticide control agency for additional information. It is a violation of this label to deviate from state use regulations.*

6. Other formulations of Lorox can be used: 1.0 lb. of Lorox DF = 1.0 pt. of Lorox L.
7. In Minimum-Tillage and No-Tillage systems, mix with Gramoxone MAX for control of most emerged annual weeds and suppression of perennial weeds; or with Landmaster BW for suppression of emerged field bindweed and control or suppression of annual weeds; or with Roundup for control of most emerged annual and perennial weeds.
8. Refer to the **Corn – CHARGER BASIC Combinations** - **Tank Mixture with AAtrex or AAtrex + 2,4-D for Minimum Tillage or No-Tillage Systems** section for specific directions for 2,4-D burndown combinations with Minimum-Tillage and No-Tillage systems.

CHARGER BASIC in any tank mixture for corn may be applied in water or fluid fertilizer, except as noted.

**Notes:** (1) For all applications to corn, do not graze or feed forage from treated areas for 30 days following application and do not harvest sweet corn ears from treated areas for 30 days following application, or possible illegal residues may result. (2) When applying CHARGER BASIC in tank mixture with AAtrex do not exceed a total of 2.5 lbs. a.i. of atrazine per acre per year. (3) Refer to **Corn (All Types) – CHARGER BASIC Alone**, for recommended sequential postemergence treatments if escape weeds develop.

**TANK MIXTURE WITH AATREX OR PRINCEP, OR AATREX + PRINCEP – PREPLANT SURFACE, PREPLANT INCORPORATED, OR PREEMERGENCE**

In addition to the weeds controlled by CHARGER BASIC alone, CHARGER BASIC + AAtrex or Princep, or CHARGER BASIC + AAtrex + Princep, applied preplant surface, preplant incorporated, or preemergence, also controls the following weeds: browntop panicum, cocklebur, common purslane, hairy nightshade, lambsquarters, morningglory, ragweed, smartweed, and velvetleaf.

Apply CHARGER BASIC + AAtrex or Princep, or CHARGER BASIC + AAtrex + Princep either preplant surface, preplant incorporated, or preemergence.

**Preplant Surface-Applied:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures** and under application instructions for CHARGER BASIC alone on corn. Apply CHARGER BASIC + AAtrex or Princep, or CHARGER BASIC + AAtrex + Princep on *medium soils* (1.67 pts./A of CHARGER BASIC + 3.2-4.0 pts./A of AAtrex 4L or Princep 4L, or AAtrex 4L + Princep 4L combined) and on *fine soils* (1.67-2.0 pts./A of CHARGER BASIC + 4.0 pts./A of AAtrex 4L or 4.0-5.0 pts./A of Princep 4L, or AAtrex 4L + Princep 4L combined) in minimum-tillage and no-tillage systems in CO, IA, IL, IN, KS, KY, MN, MO, MT, ND, NE, SD, TN, WI, and WY. Apply the tank mixtures as a split or single treatment in those states and as indicated in the **CHARGER BASIC Alone – Preplant Surface-Applied** section of the label for corn. On *coarse soils*, apply 1.33 pts./A of CHARGER BASIC and 3.2 pts./A of AAtrex 4L or or Princep 4L, or AAtrex 4L + Princep 4L combined.

**Preplant Incorporated or Preemergence:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures**. Apply CHARGER BASIC + AAtrex or Princep, or CHARGER BASIC + AAtrex + Princep, using the appropriate rates from Table 1.

**Note:** Do not apply more than the labeled rate for a given soil texture per year, either as a split or single treatment, or illegal residues may result.

**Shattercane and Wild Proso Millet – Partial Control**
For more consistent partial control of shattercane or wild proso millet, where CHARGER BASIC is applied in tank mixture or sequentially with other registered corn herbicides, the following applications may be made:

- Apply 1.0-1.33 pts./A of CHARGER BASIC + 2.0 lbs. a.i./A of AAtrex or Princep preplant incorporated, followed by 1.0-1.33 pts./A of CHARGER BASIC preemergence. Make the preemergence application during or after planting, but before weeds and corn emerge.
- Apply CHARGER BASIC at 1.33 pts./A alone or in tank mix combination with up to 2.0 lbs. a.i./A of AAtrex or Princep, preplant incorporated. Do not exceed the total rate of triazine herbicide recommended in combination with CHARGER BASIC for corn grown on a given soil texture. Follow with a post-directed application of Evik® 80W at 2.5 lbs./A. Refer to the Evik 80W label for specific directions for the post-directed application.
- Apply Eradicane® or (or equivalent EPTC or butylate formulations) at labeled rates preplant incorporated, followed by a preemergence application of CHARGER BASIC at 1.0-1.33 pts./A. Do not use Eradicane on soils where rapid degradation has been shown to occur. Make the preemergence application during or after planting, but before weeds and corn emerge.

*Precaution: When following the application regimes in numbers 1-3 above, a shallow cultivation may be needed after the preemergence or postemergence application to help control any late emerging shattercane or wild proso millet plants.*

**Note:** Do not exceed a total of 1.9 lbs. a.i./A (2.0 pts. of CHARGER BASIC) in the preplant incorporated plus preemergence application on soils with less than 6% organic matter, or crop injury may occur.

**Table 1: CHARGER BASIC + AAtrex or Princep , or CHARGER BASIC + AAtrex + Princep, Preplant Incorporated or Preemergence – Corn (All Types)**

| | **Broadcast Rates Per Acre** | | | | | |
|---|---|---|---|---|---|---|
| | **<3% Organic Matter** | | | **3% Organic Matter or Greater** | | |
| **Soil Texture** | **CHARGER BASIC + AAtrex Nine-O* or Princep Caliber 90*** | **or** | **CHARGER BASIC + AAtrex Nine-O** or + Princep Caliber 90**** | **CHARGER BASIC + AAtrex Nine-O* or Princep Caliber 90*** | **o r** | **CHARGER BASIC + AAtrex Nine-O** + Princep Caliber 90**** |
| Coarse | 0.8-1.0 pt<br>+<br>1.1-2.2 lbs. | | 0.8-1.0 pt.<br>+<br>0.6-1.1 lbs.<br>+<br>0.6-1.1lbs. | 1.0 pt.<br>+<br>1.3-2.2 lbs | | 1.0 pt.<br>+<br>0.7-1.1 lbs.<br>+<br>0.7-1.1 lbs. |
| Medium | 1.0-1.33 pts.<br>+<br>1.3-2.2 lbs. | | 1.0-1.33 pts.<br>+<br>0.7-1.1 lbs.<br>+<br>0.7-1.1 lbs. | 1.33 pts.<br>+<br>1.8-2.2 lbs. | | 1.33 pts.<br>+<br>0.9-1.1 lbs.<br>+<br>0.9-1.1 lbs |
| Fine | 1.33 pts.<br>+<br>1.8-2.2 lbs. | | 1.33 pts.<br>+<br>0.9-1.1 lbs.<br>+<br>0.9-1.1 lbs. | 1.33-1.67 pts.<br>+<br>1.8-2.2 lbs.*** | | 1.33-1.67 pts.<br>+<br>0.9-1.1 lbs.***<br>+<br>0.9-1.1 lbs.*** |
| Muck or Peat (soils with >20% organic matter) | **DO NOT USE** | | | | | |

*Use Princep in preference to AAtrex when heavy infestations of crabgrass or fall panicum are expected. On soils having between 6% and 20% organic matter, CHARGER BASIC may be used up to 2.33 pts./A in tank mix combination with 2.2 lbs./A of AAtrex Nine-O or equivalent rates of AAtrex 4L. Refer to the AAtrex label for weeds controlled at this reduced rate.

**When using the tank mixture of CHARGER BASIC + AAtrex Nine-O + Princep Caliber 90, use equal rates of each as shown when heavy broadleaf weed infestations are expected. When heavy infestations of crabgrass or fall panicum are expected, use a 1:2 ratio of AAtrex + Princep instead of the 1:1 ratio given in Table 1. (*Example*: Total AAtrex Nine-O + Princep Caliber 90 = 1.2 lbs./A, use 0.4 lb. of AAtrex + 0.8 lb. of Princep, respectively.) Refer to Comment No. 2 following Chart 1 for AAtrex 4L and Princep 4L conversions.

***For cocklebur, yellow nutsedge, and velvetleaf control on *fine-textured soils* above 3% organic matter, apply 2.25 lbs./A of AAtrex Nine-O or equivalent rates of AAtrex 4L or the same total amount of AAtrex + Princep with 1.33-1.67 pts./A of CHARGER BASIC.

**TANK MIXTURE WITH AATREX – POSTEMERGENCE**

| Weeds Controlled | | Weeds Partially Controlled |
|---|---|---|
| Barnyardgrass (watergrass) | prickly sida | cocklebur |
| crabgrass | purslane | morningglory |
| crowfootgrass | ragweed | yellow nutsedge |
| fall panicum | smartweed | |
| giant foxtail | velvetleaf | |
| green foxtail | | |
| yellow foxtail | | |
| jimsonweed | | |
| kochia | | |
| lambsquarters | | |
| mustard | | |
| pigweed | | |

Apply 1.0 pt./A of CHARGER BASIC + 1.3 lbs./A of AAtrex Nine-O* on *coarse soils*, 1.33 pts./A of CHARGER BASIC + 1.8 lbs./A of AAtrex Nine-O on *medium soils*, or 1.33-1.67 pts./A of CHARGER BASIC + 1.8-2.2 lbs./A** of AAtrex Nine-O on *fine soils*. Apply this tank mixture before grass and broadleaf weeds pass the 2-leaf stage and before corn exceeds 5 inches in height. Application to weeds larger than the 2-leaf stage will generally result in unsatisfactory control.

**Lay-by:** Apply to corn plants not more than 12 inches tall. Applications to corn in excess of 5 inches should be directed to the base of the corn plants; whereas, applications to corn plants less than 5 inches tall may be made over the top. Occasionally, some corn leaf burn may result, but this should not affect later growth or yield. Do not apply this postemergence tank mixture in fluid fertilizer, or severe crop injury may occur.

*When using AAtrex 4L, use equivalent rates. One lb. of AAtrex Nine-O = 1.8 pts. of AAtrex 4L.
**For better control of cocklebur, morningglory, velvetleaf, and yellow nutsedge on *fine-textured soils* above 3% organic matter, apply 2.2 lbs./A of AAtrex Nine-O, or equivalent rate of AAtrex 4L, with 1.33-1.67 pts./A of CHARGER BASIC.

Tank mixtures of CHARGER BASIC + AAtrex may be applied following use of any registered preplant surface-applied, preplant incorporated, or preemergence corn herbicide, including CHARGER BASIC + AAtrex.

**Note:** The total CHARGER BASIC rate should not exceed 3.9 pts., nor the AAtrex rate more than 2.5 lbs. a.i./A during any one crop year, or illegal residues may result. Refer to the AAtrex label for geographic, soil-texture, and rotational restrictions.

**TANK MIXTURE WITH AATREX AND LOROX FOR CONTROL OF LAMBSQUARTERS AND PIGWEED**
For prolonged control of lambsquarters and pigweed in DE, MD, NJ, NY, PA, VA, and WV, CHARGER BASIC may be applied preemergence in tank mix combination with AAtrex + Lorox. Apply CHARGER BASIC and AAtrex according to the rates in Table 1 and Lorox according to the following rates.

| Soil Texture | Broadcast Rate Per Acre |
|---|---|
| Sandy loam (1-3% organic matter) | 0.67 lb. Lorox |
| Sandy loam (3-6% organic matter) | 1.0 lb. Lorox |
| Medium- and fine-textured soils (1-6% organic matter) | 1.0 lb. Lorox |

Observe all directions for use, precautions, and limitations on the CHARGER BASIC, AAtrex, and Lorox labels when applying these products in tank mix combinations.

**TANK MIXTURE WITH AATREX OR PRINCEP + FRAMEWORK FOR PROLONGED CONTROL OF LAMBSQUARTERS AND PIGWEED IN FIELD CORN ONLY (NORTHEAST U.S., INCLUDING MI, IN, KY, AND STATES EAST OF THESE)**
For prolonged control of lambsquarters and pigweed, in addition to a broad spectrum of annual broadleaf and grass weeds, CHARGER BASIC in tank mix combination with AAtrex* or Princep + Framework may be applied after planting, but before corn or weeds emerge. Apply by ground equipment in a minimum of 10 gals. of water or 20 gals. of liquid fertilizer. Apply by air in a minimum of 5.0 gals. of water. Refer to Table 1 of this label for rates of CHARGER BASIC, AAtrex, or Princep to be applied. Apply Framework according to the following rates in Table 4.

*Do not apply CHARGER BASIC in tank mix combination with AAtrex 80W + Framework, as this combination is not compatible. Other AAtrex formulations may be used.

**Mixing Instructions:** See Comment No. 1 following Chart 1.

**Table 2: Framework – Broadcast Rates Per Acre**

| | Percent Organic Matter in Soil | | |
|---|---|---|---|
| **Soil Texture** | **Less Than 1.5%** | **1.5-3%** | **Over 3%** |
| **COARSE** | 1.8-2.4 pts. | 2.4-3.6pts. | 3.6 pts. |
| **MEDIUM** | 2.4-3.6 pts. | 3.6 pts. | 3.6-4.8 pts. |
| **FINE** | 2.4-3.6 pts. | 3.4-4.8 pts. | 3.6-4.8 pts. |

Observe all directions for use, precautions, and limitations on the respective product labels when applying these products in tank mix combination. Refer to the Framework label for replanting instructions in the event of crop loss.

**TANK MIXTURE OF CHARGER BASIC WITH AATREX OR PRINCEP, OR AATREX + PRINCEP WITH GRAMOXONE MAX, LANDMASTER BW, OR ROUNDUP FOR MINIMUM-TILLAGE OR NO-TILLAGE SYSTEMS**

In minimum-tillage or no-tillage systems where corn is planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides Gramoxone MAX, Landmaster BW, or Roundup should be tank mixed with CHARGER BASIC + AAtrex, CHARGER BASIC + Princep, or CHARGER BASIC + AAtrex + Princep. See Comment No. 7 following Chart 1. The CHARGER BASIC, CHARGER BASIC + AAtrex or Princep, or CHARGER BASIC + AAtrex + Princep portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for **CHARGER BASIC, CHARGER BASIC + AAtrex or Princep, or CHARGER BASIC + AAtrex + Princep – Preplant Surface, Preplant Incorporated, or Preemergence**.

**Application:** Apply before, during, or after planting, but before the corn emerges, at the rates specified below. Add Gramoxone MAX, Landmaster BW, or Roundup at the following broadcast rates:

**Gramoxone MAX:** 1.5-2.0, 2.0-2.5, or 2.5-3.0 pts./A to 1-3, 3-6, or 6-inch tall weeds, respectively. Apply surfactant at 1.0 or 2.0 pts./100 gals. of spray mixture with 75% or greater or 50-74% nonionic active ingredient, respectively. This treatment will not control weeds taller than 6 inches.

**Note:** Do not apply combinations containing Gramoxone MAX in suspension-type liquid fertilizers, because the activity of paraquat will be reduced.

**Landmaster BW:** 27-54 oz./A depending on weed species and size. See the Landmaster BW label for weeds controlled, recommended rates for specific weeds, and other information concerning use.

**Roundup:** See the Roundup or Roundup RT label for weeds controlled, recommended rates, and other use directions.

Apply in 20-60 gals. of water or fluid fertilizer per acre with ground equipment.

On *coarse soils*, apply 1.0 pt./A of CHARGER BASIC with 1.3 lbs. of AAtrex Nine-O* or Princep Caliber 90*, or with 0.7 lb. of AAtrex Nine-O** + 0.7 lb. of Princep Caliber 90**. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC with 1.8 lbs. of AAtrex Nine-O or Princep Caliber 90, or with 0.9 lb. of AAtrex Nine-O + 0.9 lb. of Princep Caliber 90. On *fine soils****,* apply 1.33-1.67 pts./A of CHARGER BASIC with 1.8-2.2 lbs. of AAtrex Nine-O or Princep Caliber 90, or with 0.9-1.1 lbs. of AAtrex Nine-O + 0.9-1.1 lbs. of Princep Caliber 90.

*Use Princep in preference to AAtrex when heavy infestations of crabgrass or fall panicum are expected.

**When using the tank mixture of CHARGER BASIC + AAtrex Nine-O + Princep Caliber 90, use equal rates of AAtrex and Princep as shown when heavy broadleaf weed infestations are expected. When heavy infestations of crabgrass or fall panicum are expected, use a 1:2 ratio of AAtrex + Princep instead of the 1:1 ratio given. (*Example*: Total AAtrex Nine-O + Princep Caliber 90 = 1.8 lbs./A, use 0.6 lb. of AAtrex + 1.2 lbs. of Princep, respectively.) Refer to Comment No. 2 following Chart 1 for AAtrex 4L and Princep 4L conversions.

***For cocklebur, yellow nutsedge, and velvetleaf control on *fine-textured soils* above 3% organic matter, apply 2.25 lbs./A of AAtrex Nine-O, or equivalent rate of AAtrex 4L, or the same total amount of AAtrex + Princep, with 1.33-1.67 pts./A of CHARGER BASIC.

**TANK MIXTURE WITH AATREX OR AATREX + 2,4-D FOR MINIMUM-TILLAGE OR NO-TILLAGE SYSTEMS**

In minimum-tillage or no-tillage systems where corn is planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, CHARGER BASIC applied in combination with AAtrex will kill most emerged small annual weeds. Apply CHARGER BASIC + AAtrex before, during, or after planting, but before corn emerges, according to the rates in Table 1.

Where heavy crop residues exist, add 0.8-1.6 pts./A of an appropriately labeled 3.8 lbs. a.i./gal. of 2,4-D amine (such as Weedar 64, Weedar 64A, DMA-4 Herbicide, Weedone® 638, or Formula 40) to the spray tank last and apply in a minimum of 25 gals. of carrier per acre.

As carriers, nitrogen solutions and complete liquid fertilizers, applied before corn emergence, enhance burndown of existing weeds, and therefore are recommended instead of water. Add a non-ionic surfactant at its recommended rate, or add crop oil concentrate plus 28% liquid nitrogen (or equivalent). Apply before weeds exceed 3 inches in height.

For fields with existing sod grasses (e.g., bromegrass, orchardgrass, rye, or timothy), when existing weeds exceed 3 inches in height or when very dry conditions exist, add Gramoxone MAX at the rate of 2.5 pts./A in place of or in addition to 2,4-D as indicated above. Do not apply Gramoxone MAX in suspension-type liquid fertilizer. Observe all directions for use, precautions, and limitations on the respective product labels when applying these products in tank mix combination. Use Balance combinations only on field corn.

**TANK MIXTURE WITH BALANCE PRO – FIELD CORN ONLY**

CHARGER BASIC and Balance PRO have a complementary crop response and weed control profile which allows various tank mix rate combinations to be considered. The addition of Balance PRO will improve the control of certain problem weeds including Texas panicum, woolly cupgrass, and wild proso millet. CHARGER BASIC improves both the duration and spectrum of annual grass and small seeded broadleaf weed control, in particular foxtails (yellow foxtail), witchgrass, and yellow nutsedge.

To reduce the risk of an adverse crop response, the Balance PRO label does not allow applications to coarse textured soils with less than 1.5% organic matter and warns about applications to all soils with less than 1.5% organic matter or with pH greater than 7.5, as well as applications made to areas in fields with clay knolls, eroded hillsides, and exposed subsoil. CHARGER BASIC has no adverse crop response warnings or use restrictions.

Listed below are compensating rate options for combinations of CHARGER BASIC and Balance PRO, i.e. higher rates of CHARGER BASIC are combined with lower rates of Balance PRO, and visa versa. Select a rate option for CHARGER BASIC plus Balance PRO by weighing the intensity of problem weed pressure (population presence and density) and your acceptance for risk of an adverse crop response. For example, where Texas panicum, woolly cupgrass, or wild proso millet are a primary target weed, use a tank mix combination with a higher Balance PRO rate for the given soil type.

Where your acceptance of an adverse crop response risk is low and/or a more general weed spectrum is targeted (especially yellow foxtail, witchgrass or yellow nutsedge), use a tank mix combination with a higher CHARGER BASIC rate for the given soil type. Where a target weed is listed as controlled on both product labels, a tank mix combination option including intermediate rates of both products may be used. Where a target weed is listed as controlled on only one product label, do not apply a rate of that product below what is recommended for that weed on the individual product label, or unacceptable control may result. Follow all other directions for use, rate limitations, precautions and restrictions on both the CHARGER BASIC and Balance PRO product labels.

CHARGER BASIC plus Balance PRO tank mix rate options when applied pre-plant (incorporated or surface applied) up to 7 day before planting or preemergence in field corn:

**For coarse textured soils**, where 1.5 or 1.88 oz./A of Balance PRO is used, 1.0-1.33 pts./A of CHARGER BASIC may be applied. Do not use Balance PRO on coarse textured soils with less than 1.5% organic matter.

**For medium textured soils**, where 1.5 oz./A of Balance PRO is used, rates as low as 1.33 pts./A of CHARGER BASIC may be applied. Where 1.88 or 2.25 oz./A of Balance PRO is used, rates as low as 1.0 pts./A of CHARGER BASIC may be applied. CHARGER BASIC can be used in combinations with Balance PRO at rates up to 1.67 pts./A on medium textured soils.

**For fine textured soils**, where 1.5 oz./A of Balance PRO is used, rates as low as 1.33 pts./A of CHARGER BASIC may be applied if the soil organic matter is less than 3% - if the soil organic matter content is 3% or greater, 1.67 pts./A of CHARGER BASIC should be applied. Where 1.88 or 2.25 oz./A of Balance PRO is used, rates as low as 1.33 pts./A of CHARGER BASIC may be applied. Where 3.0 oz./A or more of Balance PRO are used, rates as low as 1.0 pts./A of CHARGER BASIC may be applied. CHARGER BASIC can be used in combinations with Balance PRO at rates up to 2.0 pts./A on fine textured soils if the soil organic matter content is 3% or greater.

**TANK MIXTURES FOR POSTEMERGENCE SALVAGE WEED CONTROL IN FIELD CORN ONLY**
For postemergence control of weeds in specific types of field corn, the CHARGER BASIC combinations listed below may be used. Full season weed control from early preplant, preplant incorporated, or preemergence treatments can lead to maximum yield potential under competition-free conditions. However, if control of emerged weeds is needed, a postemergence program listed below can be applied to provide residual control for the remainder of the season.

**Notes:** (1) Follow all label directions, instructions, precautions, and limitations for each product used. (2) Do not use fluid fertilizer with these mixtures or corn injury may occur. (3) For each tank mixture with CHARGER BASIC, apply only to the specific field corn type specified on the tank mix product label. (4) In-row weed control may be reduced because of lack of coverage when applied to corn over 4 inches tall.

**CHARGER BASIC + Liberty Herbicide: Postemergence Use in LibertyLink® Corn or Corn Warranted by Bayer CropScience as Being Tolerant to Liberty Herbicide**

The tank mixture of CHARGER BASIC + Liberty Herbicide can be applied postemergence to weeds and corn from seed designated as LibertyLink or corn warranted by Bayer CropScience as being tolerant to Liberty Herbicide. Liberty provides postemergence control of a broad spectrum of grass and broadleaf weeds and the CHARGER BASIC provides residual control of grasses and certain broadleaf weeds listed in the label section **CHARGER BASIC Applied Alone – Weeds Controlled.** Refer to the **CHARGER BASIC Alone – Preplant Incorporated or Preemergence** section and use the minimum rate per soil texture and organic matter classification for season-long residual control from this tank mix combination with Liberty. Refer to the Liberty label for the Liberty postemergence application rate according to weed species and their maximum height at the time of postemergence application. Where multiple weed species are present, use the highest Liberty rate recommended to control the species and growth stages present.

Follow all applicable use directions, limitations, precautions, and information regarding application to corn on the CHARGER BASIC and Liberty Herbicide labels. Where difficult species and/or severe weed populations are expected, use the maximum rate where rate ranges are listed.

**CHARGER BASIC + Liberty ATZ Herbicide: Postemergence Use in LibertyLink Corn or Corn Warranted by Bayer CropScience as Being Tolerant to Liberty ATZ Herbicide**

The tank mixture of CHARGER BASIC + Liberty ATZ Herbicide can be applied postemergence to weeds and corn from seed designated as LibertyLink or corn warranted by Bayer CropScience as being tolerant to Liberty ATZ Herbicide. Liberty ATZ Herbicide provides postemergence control of a broad spectrum of grass and broadleaf weeds and the CHARGER BASIC provides residual control of grasses and certain broadleaf weeds listed in the label section **CHARGER BASIC Applied Alone – Weeds Controlled**. Refer to the section **Corn – CHARGER BASIC Alone – Preplant Incorporated or Preemergence** section and use the minimum rate per soil texture and organic matter classification for season-long residual control from this tank mix combination with Liberty ATZ Herbicide. Refer to the Liberty ATZ Herbicide label for the Liberty ATZ Herbicide postemergence application rate according to weed species and their maximum height at the time of postemergence application. Where multiple weed species are present, use the highest Liberty ATZ Herbicide rate recommended to control the species and growth stages present. Do not apply to corn exceeding 12 inches in height.

Follow all applicable use directions, limitations, precautions, and information regarding application to corn on the CHARGER BASIC and Liberty ATZ Herbicide labels. Where difficult species and/or severe weed populations are expected, use the maximum rate where rate ranges are listed.

**CHARGER BASIC + Touchdown or Cornerstone or Roundup Ultra for Postemergence Application to Corn with the Roundup Ready® Gene**

The tank mixture of CHARGER BASIC + Touchdown or Cornerstone or Roundup Ultra can be applied postemergence to weeds and to corn designated as containing the Roundup Ready Gene. Application may be applied postemergence to Roundup Ready corn from emergence until corn reaches 30 inches tall or the V8 stage (8 leaves with collars), whichever comes first. This mixture will provide postemergence control of weed species on the

Roundup Ultra label and residual control of weed species on the CHARGER BASIC label. Use the minimum CHARGER BASIC rate postemergence with Roundup Ultra in Roundup Ready corn as specified in the **Corn - CHARGER BASIC Alone – Preplant Incorporated or Preemergence** section of this label according to soil texture and organic matter. Refer to the **Supplemental Labeling of Touchdown or Cornerstone or Roundup Ultra for Postemergence Application to Corn with the Roundup Ready Gene** and to the Roundup Ultra herbicide label and follow appropriate use directions, application procedures, precautions, and limitations. Apply 24-32 fl. oz./A of Roundup Ultra for control of labeled broadleaf and grass weeds. Refer to the Roundup Ultra label for directions for control of problem species.

Follow all applicable use directions, limitations, precautions, and information regarding application to corn on the CHARGER BASIC and Touchdown or Cornerstone or Roundup Ultra labels, and on the **Supplemental Labeling of Roundup Ultra for Postemergence Application to Corn with the Roundup Ready Gene**. Where difficult species and/or severe weed populations are expected, use the maximum rate where rate ranges are listed.

**CHARGER BASIC + Roundup Ultra + AAtrex for Postemergence Application to Corn with the Roundup Ready Gene**

The tank mixture of CHARGER BASIC + AAtrex + Roundup Ultra can be applied postemergence to weeds and to corn designated as containing the Roundup Ready Gene. Application may be applied postemergence to Roundup Ready corn from emergence up to 12 inches in height. This mixture will provide postemergence control of weed species on the Roundup Ultra label and residual control of weed species on the CHARGER BASIC + AAtrex label. Use the minimum CHARGER BASIC + AAtrex rate postemergence with Roundup Ultra in Roundup Ready corn as specified in the **Corn – CHARGER BASIC Combinations – Tank Mixture With AAtrex or Princep, or AAtrex + Princep – Preplant Incorporated or Preemergence** section and **Table 1** of this label according to soil texture and organic matter. Refer to the **Supplemental Labeling of Roundup Ultra for Postemergence Application to Corn with the Roundup Ready Gene** and to each product label and follow all appropriate use directions, application procedures, precautions, and limitations. Apply 24-32 fl. oz./A of Roundup Ultra for control of labeled broadleaf and grass weeds. Refer to the Roundup Ultra label for directions to control problem species.

Follow all applicable use directions, limitations, precautions, and information regarding application to corn on the CHARGER BASIC, AAtrex, and Roundup Ultra labels, and on the **Supplemental Labeling of Roundup Ultra for Postemergence Application to Corn with the Roundup Ready Gene**. Where difficult species and/or severe weed populations are expected, use the maximum rate where rate ranges are listed.

**COTTON – CHARGER BASIC ALONE**

**Application:** Apply CHARGER BASIC preemergence only in Area 1* at the rate of 0.5-1.0 pt./A on sandy loams, 0.66-1.33 pts./A on *medium soils*, or 1.0-1.33 pts./A on *fine soils*. Apply CHARGER BASIC preplant incorporated or preemergence in Area 2** at 1.0 pt./A on sandy loams, 1.0-1.33 pts./A on *medium soils*, or 1.33 pts./A on *fine soils*. Apply CHARGER BASIC postemergence to cotton and preemergence to weeds at 0.5-1.33 pts./A, according to the state rate limitations in the following **Postemergence** section. **Do not use on sands and loamy sand.**

*Area 1 = AR, KS, LA, MS, TN, and Bootheel of MO
**Area 2 = NM, OK, and TX

**Preplant Incorporated (NM, OK, and TX Only):** Apply to the soil and incorporate into the top inch of soil immediately before planting, at planting, or after planting, but before crop or weeds emerge. Use a rolling cultivator or similar implement to uniformly incorporate not more than 1 inch deep. Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected. Where furrow irrigation is used, wet the top of the bed for best results. If the crop is to be planted on beds, apply and incorporate after bed formation. Cotton should be planted below the zone of incorporation; i.e., at least 1 inch on *fine soils* and 1.5 inches on *coarse* and *medium soils*. If incorporated prior to planting, use a planter that will result in a minimum of soil disturbance.

**Note:** For best control of yellow nutsedge and suppression of seedling johnsongrass, apply CHARGER BASIC preplant incorporated at the maximum rate for the soil texture, whether applied alone or mixed with Caparol 4L.

**Preemergence:** Apply to the soil surface at planting or after planting, but before weeds or crop emerge.

**Postemergence:** Apply CHARGER BASIC broadcast over-the-top or directed to the soil surface according to the rate and cotton height limitations listed below by state. Over-the-top postemergence application may be made not later than 100 days before harvest, and directed-postemergence application may be made not later than 80 days before harvest. Application before weeds emerge or after clean cultivation to remove existing weeds is necessary

since CHARGER BASIC will not control emerged weeds. CHARGER BASIC postemergence may be applied over any previous registered herbicide treatment. In sprinkler-irrigated areas, sprinkler irrigate after application with ½-1 inch of water (½ inch on *coarse-textured soils* to 1 inch on *fine-textured soils*) to incorporate CHARGER BASIC. In furrow-irrigated areas, apply CHARGER BASIC, incorporate with a rolling cultivator or similar implement that provides uniform shallow incorporation (2 inches or less), and then irrigate. In nonirrigated areas, if at least ½ inch of rainfall does not occur within 10 days after application, cultivate with a rolling cultivator or similar implement that provides uniform shallow incorporation of CHARGER BASIC.

**VA, NC, SC, GA, FL, and AL:** Apply CHARGER BASIC at 1.0-1.33 pts./A when cotton is at least 3 inches tall.

**TN, AR, KS, MS, MO, and LA:** Apply CHARGER BASIC at 0.5-1.33 pts./A when cotton is at least 3 inches tall.

**TX, OK, NM, AZ, CA, and Clay Soils in AR:** Apply CHARGER BASIC at 1.0-1.33 pts./A when cotton is at least 3 inches tall, but before August 1.

**Multiple Applications:** Where weed pressure is heavy, difficult to control species are expected, or reinfestation may occur, and a weed control program is used, multiple applications of CHARGER BASIC are effective when used as part of the weed control program. Apply as a preplant incorporated or preemergence treatment and follow with an application postemergence to cotton before weeds emerge or after clean cultivation to remove existing weeds, since CHARGER BASIC will not control emerged weeds. Cotton should be at least 3 inches tall at the postemergence timing. Apply CHARGER BASIC postemergence over a previous preplant or preemergence CHARGER BASIC application as shown in the following table.

| | **Multiple CHARGER BASIC Applications to Cotton** | | |
|---|---|---|---|
| **State** | **Preplant Incorporated or Preemergence Pts./A** | **+** | **Postemergence and Height Pts./A** |
| MS, LA, TN, AR, KS, MO | 0.5-1.33 (Preemergence Only) | + | 0.5-1.33 to at least 3" tall Cotton |
| TX, OK, NM | 1.0-1.33 | + | 1.0-1.33 to at least 3" tall Cotton before August 1 |
| NC, VA | 1.0-1.33 (Preemergence Only) | + | 1.0-1.33 to at least 3" tall Cotton |

In sprinkler-irrigated areas, sprinkler irrigate after application with ½-1 inch of water (½ inch on *coarse-textured soils* to 1 inch on *fine-textured soils*) to incorporate CHARGER BASIC. In furrow-irrigated areas, apply CHARGER BASIC, incorporate with a rolling cultivator or similar implement that provides uniform shallow incorporation (2 inches or less), and then irrigate. In nonirrigated areas, if at least ½ inch of rainfall does not occur within 10 days after application, cultivate with a rolling cultivator or similar implement that provides uniform shallow incorporation of CHARGER BASIC.

**Notes:** For best control of yellow nutsedge and suppression of seedling johnsongrass, apply CHARGER BASIC preplant incorporated, preemergence, or postemergence to cotton and preemergence to weeds at the maximum rate for the soil texture, whether applied alone or in combinations. Do not apply more than a total of 2.0 pts./A on *coarse soils* or 2.6 pts./A of CHARGER BASIC on *medium* and *fine soils* during a growing season. These treatments may be applied over previous registered herbicide treatments.

*Precautions: To avoid crop injury, (1) Do not apply CHARGER BASIC on sand or loamy sand soils, or in areas where water is likely to "pond" over the bed; (2) To avoid concentration in the seed furrow, do not make broadcast applications of CHARGER BASIC to cotton planted in furrows more than 2 inches deep. Band applications may be made to cotton planted in furrows deeper than 2 inches, but band width should not exceed the width of the bottom of the furrow; (3) In furrow-planted cotton, to avoid concentration in the furrow and potential injury, do not apply CHARGER BASIC postemergence until after first "knifing" or cultivation to level soil surface. (4) Do not apply over-the-top in fluid fertilizer or any other adjuvant, surfactant, oil, or other pesticide not recommended in the cotton section of this label, or injury may occur; and (5 Do not apply on Taloka silt loam. (6) Do not use in Gaines County, TX.*

**Note:** Do not graze or feed forage or fodder from cotton to livestock, or illegal residues may result.

**COTTON – CHARGER BASIC COMBINATIONS**
**TANK MIXTURE WITH CAPAROL 4L**

CHARGER BASIC tank mixtures with Caparol 4L may be applied preplant incorporated or preemergence in water or fluid fertilizer. When fluid fertilizer is used as a carrier for CHARGER BASIC, either alone or in combination with

Caparol 4L, mix only the amount that will be sprayed in one operation. These mixtures should not be allowed to stand without agitation. Only water may be used as a carrier for postemergence-directed application.

In addition to those weeds controlled by CHARGER BASIC alone, CHARGER BASIC + Caparol 4L, applied preplant incorporated or preemergence, also controls the following weeds: junglerice, wild oats, annual morningglory, groundcherry, hairy nightshade, lambsquarters, malva, mustard, prickly sida (teaweed), purslane, ragweed, and shallow-germinating seedlings of cocklebur and coffeeweed. As a postemergence-directed application, Caparol provides postemergence control and residual control of weeds on its label, while CHARGER BASIC provides residual control of weed species on its label. CHARGER BASIC will not control emerged weeds.

**Preplant Incorporated or Preemergence:** Apply CHARGER BASIC + Caparol 4L, either preplant incorporated or preemergence, using the appropriate rate from Table 3. Cotton should be planted below the zone of incorporation; i.e., at least 1.0 inch on *fine soils* and 1.5 inches on *coarse* and *medium soils*. If incorporated before planting, use a planter that will result in a minimum of soil disturbance.

Table 3: CHARGER BASIC + Caparol 4L – Cotton (NM, OK, TX)

| | | Broadcast Rates Per Acre | |
|---|---|---|---|
| **Use Areas** | **Soil Texture** | **CHARGER BASIC** | **Caparol 4L** |
| ALL | Sand, loamy sand | DO NOT USE | |
| OK, and Blacklands and Gulf Coast of TX | Loams | 0.8-1.33 pts. | 2.4 pts. |
| | Clays | 1.33 pts. | 4.8 pts. |
| Rio Grande Valley of TX | Loams | 0.8-1.33 pts. | 3.2 pts. |
| | Clays | 1.33 pts. | 4.8 pts. |
| NM; High Plains, Rolling Plains, Edwards Plateau of TX; and Southwest TX | Sandy loam | 0.8-1.0 pt. | 1.6 pts. |
| | Loams | 0.8-1.33 pts. | 2.4 pts. |
| | Sandy clay loams | 1.33 pts. | 2.4 pts. |
| | Other clay soils | 1.33 pts. | 3.2 pts. |

**Postemergence-Directed (AR, AZ, CA, LA, MS, NM, OK, TN, TX, and MO):** CHARGER BASIC may be tank mixed with Caparol 4L in water and applied postemergence-directed in cotton for control of emerged weeds listed on the Caparol 4L label and residual preemergence control of weeds controlled by CHARGER BASIC and Caparol 4L. Or application may be made after cultivation for residual preemergence control. These treatments may be applied over previous registered treatments, including CHARGER BASIC, provided the maximum label rate of any product is not exceeded. Do not apply over-the-top of cotton, or injury may occur.

Apply CHARGER BASIC + Caparol 4L in a minimum of 20 gals. of spray volume per acre. Follow the directions, limitations, and precautions on the Caparol 4L label when Caparol is applied as a postemergence-directed application. Refer to the directions, limitations, and precautions for use of CHARGER BASIC under the **Cotton – CHARGER BASIC Alone – Postemergence** section.

*Precautions: (1) To avoid concentration in the seed furrow, do not make broadcast applications of CHARGER BASIC + Caparol 4L to cotton planted in furrows more than 2 inches deep. Band applications may be made to cotton planted in furrows deeper than 2 inches, but band width should not exceed the width of the bottom of the furrow. To avoid crop injury, (2) Do not apply on sand or loamy sand soils, or in areas where water is likely to "pond" over the bed; (3) Do not apply in cut areas of newly leveled fields, or in areas of excess salt; (4) Do not apply to glandless cotton varieties; and (5) Do not apply on Taloka silt loam. (6) Do not use in Gaines County, TX.*

**Note:** Do not graze or feed forage or fodder from cotton to livestock, or illegal residues may result.

Refer to the Caparol 4L label for further instructions and limitations.

**TANK MIXTURE WITH COTORAN DF**

CHARGER BASIC may be applied in tank mixture with Cotoran DF preemergence for control of those weeds controlled by CHARGER BASIC alone and those as listed on the Cotoran DF label. This combination will also control spotted spurge, hyssop spurge, nodding spurge, and prostrate spurge. Apply to the soil surface at planting or after planting, but before weeds or crop emerge, using the appropriate rates from Table 4. The tank mixture may be applied postemergence to cotton, but preemergence to weeds, or it may be applied postemergence to both cotton and broadleaf weeds for control of weeds on the Cotoran label. Apply as a directed, semi-directed, or over-the-top spray. CHARGER BASIC will not control emerged weeds, but will provide preemergence control of species on its label.

**Mixing Instructions:** Incompatibility may occur when tank mixing CHARGER BASIC and Cotoran DF. To help overcome this condition, fill the spray tank 1/4 full with water or fluid fertilizer and start agitation, add the Cotoran DF and allow it to become dispersed. Add a non-ionic surfactant at its recommended rate, then add the CHARGER BASIC and finally the rest of the water or fluid fertilizer. Agitate during mixing and application to maintain a uniform suspension. Do not use fluid fertilizer as a carrier for postemergence applications.

**Table 4: CHARGER BASIC + Cotoran DF – Cotton**

| | **Broadcast Rates Per Acre** | | |
|---|---|---|---|
| | **CHARGER BASIC (pts.)** | | **Cotoran DF*** ** |
| **Soil Texture** | **Area 1*** | **Area 2**** | **(lbs.)** |
| Sand, loamy sand | DO NOT USE | | |
| Sandy loam | 0.5-1.0 | 0.8-1.0 | 1.2 |
| Loam, silt loam, silt | 0.66-1.33 | 1.0-1.33 | 1.2-1.9 |
| Fine soil | 1.0-1.33 | 1.33 | 1.9-2.4 |

*Area 1=AR, LA, MS, Bootheel of MO and TN
**Area 2=Eastern OK, Gulf Coast, Rio Grande Valley, and Eastern TX
***When using Cotoran 4L, use equivalent rates. Multiply lbs. of Cotoran DF by 1.7 to get pts. of Cotoran 4L.

**Postemergence:** This tank mixture may be applied postemergence to cotton, but preemergence to weeds or postemergence to both cotton and weeds for control of weeds on the Cotoran label. Apply as a directed, semi-directed, or over-the-top spray. CHARGER BASIC will not control emerged weeds, but will provide preemergence control of species on its label. Apply when cotton is at least 3 inches tall. Where rate ranges are given for Cotoran DF, use the higher rate when applying postemergence to weeds that are 2 inches or less. These treatments may be applied over previous registered treatments, including CHARGER BASIC, provided the maximum label rate of any product is not exceeded.

*Precautions: (1) Do not apply CHARGER BASIC + Cotoran on sand or loamy sand soils, or in areas where water is likely to "pond" over the bed, or crop injury may occur. (2) To avoid concentration in the seed furrow, do not make broadcast applications of CHARGER BASIC + Cotoran to cotton planted in furrows more than 2 inches deep. Band applications may be made to cotton planted in furrows deeper than 2 inches, but band width should not exceed the width of the bottom of the furrow. (3) The use of Cotoran following the use of a systemic insecticide at planting may result in crop injury. (4) Do not use on Taloka silt loam, or crop injury may occur. (5) Do not use in Gaines County, TX.*

Refer to the Cotoran labels for further instructions, precautions, and limitations.

**Note:** To avoid possible illegal residues, do not feed treated forage or gin trash to livestock, or graze treated areas.

**TANK MIXTURE OF CHARGER BASIC OR CHARGER BASIC + COTORAN WITH GRAMOXONE MAX OR ROUNDUP FOR MINIMUM-TILLAGE OR NO-TILLAGE SYSTEMS**

In minimum-tillage or no-tillage systems where cotton is planted directly into a cover crop, stale seedbed, or previous crop residues, the contact herbicides Gramoxone MAX or Roundup may be added to a tank mix of either CHARGER BASIC or CHARGER BASIC + Cotoran. When used as directed, the Gramoxone MAX portion of the tank mixture controls most emerged weeds and suppresses many perennial weeds. Roundup combinations will control emerged annual and perennial weeds when applied as directed on the Roundup label. The CHARGER BASIC and CHARGER BASIC + Cotoran portion of the tank mixture provides preemergence control of the weeds listed on this label in the CHARGER BASIC and CHARGER BASIC + Cotoran sections, respectively.

Refer to the label of each product used in combination and observe the planting details, information regarding application, geographical restrictions, and all other precautions and limitations. Refer to **Mixing Instructions** under **Tank Mixture with Cotoran DF** section.

**Application:** Apply before, during, or after planting, but before the cotton emerges, at the rates specified below. Apply CHARGER BASIC at 0.8-1.0 pt./A on sandy loams, *medium-*, and *fine-textured soils*. Refer to Table 4 for the Cotoran DF rates.

Add Gramoxone MAX or Roundup at the following broadcast rates:

**Gramoxone MAX:** 1.5-2.0, 2.0-2.5, or 2.5-3.0 pts./A to 1-3, 3-6, or 6-inch tall weeds, respectively. Apply surfactant at 1.0 or 2.0 pts./100 gals. of spray mixture with 75% or greater or 50-74% nonionic active ingredient, respectively. This treatment will not control weeds taller than 6 inches.

**Note:** Do not apply combinations containing Gramoxone MAX in suspension-type liquid fertililzers, as the activity of paraquat will be reduced.

**Roundup:** See the Roundup label for weeds controlled, recommended rates, and other use directions.

**Note:** Do not apply CHARGER BASIC + Cotoran 4L + Roundup in tank mixture because of compatibility problems.

Apply in 20-60 gals. of water or fluid fertilizer per acre with ground equipment.

*Precautions: (1) If heavy rain occurs soon after application, crop injury may result, especially in poorly drained areas where water stands for several days, or where the seeding slit has not been properly closed. (2) Refer to the Cotoran labels and the **Tank Mixture with Cotoran DF** section of this label for further instructions, precautions, and limitations. (3) Do not use in Gaines County, TX.*

**TANK MIXTURE WITH MSMA, MSMA + CAPAROL, OR MSMA + COTORAN**
CHARGER BASIC may be tank mixed with MSMA in water and applied postemergence-directed for control of emerged weeds listed on the MSMA product label and residual preemergence control of weeds controlled by CHARGER BASIC. The addition of Caparol or Cotoran will add control of weed species on their respective labels.

**Postemergence-Directed (AL, AR, AZ, CA, FL, GA, LA, MS, NC, NM, OK, SC, TN, TX, VA, and Bootheel of MO):**
Apply CHARGER BASIC + MSMA postemergence-directed to cotton at least 3 inches tall according to the directions, limitations, and precautions on the MSMA product label, as well as the directions, limitations, and precautions for use of CHARGER BASIC in the section for **Cotton – CHARGER BASIC Alone – Postemergence**. Do not apply after first cotton bloom. These treatments may be applied over previous registered treatments, including CHARGER BASIC, provided the maximum label rate of any product is not exceeded. Cotoran or Caparol may be added to the CHARGER BASIC + MSMA tank mixture according to the respective label directions for application to cotton at least 3 inches tall. When these mixtures are used, follow the mixing instructions for CHARGER BASIC + Caparol or Cotoran and then add the MSMA product.

Do not use CHARGER BASIC in tank mix with premixes of MSMA plus herbicides other than those registered for use in tank mixture with CHARGER BASIC on cotton.

**TANK MIXTURE WITH TRUST FOR POST-DIRECTED FOLLOWED BY SOIL INCORPORATION APPLICATIONS**
CHARGER BASIC may be applied as a tank mixture with Trust in cotton for improved late-season weed control when used as an incorporated layby type application. This combination may be applied after the cotton is at least 3 inches tall and has reached the 4 true-leaf stage. Make the application directed to the soil surface and away from the crop foliage. Incorporate using a sweep or rolling type cultivator to provide uniform and shallow mixing into the top 2 inches of soil. Refer to each product label for the appropriate application rates by soil type and for this application timing -- and follow all product use limitations and restrictions.

**TANK MIXTURE WITH TOUCHDOWN® OR CORNERSTONE OR ROUNDUP (INCLUDING ROUNDUP ULTRA™ AND ROUNDUP ULTRAMAX™) FOR USE ON ROUNDUP READY COTTON ONLY**
Apply CHARGER BASIC as a tank mixture with Touchdown or Cornerstone or Roundup in water postemergence over-the-top or postemergence-directed for control of emerged weeds listed on the Touchdown or Cornerstone or Roundup labels and for residual preemergence control of weeds listed on the CHARGER BASIC label. See the **Cotton – CHARGER BASIC Alone – Postemergence** section of this label for rates and timings of CHARGER BASIC and follow the Touchdown or Cornerstone or Roundup label for their respective rates, application method, and application timing restrictions. Do not add additional spray adjuvants, surfactants, fertilizer additives, or pesticides to this tank mixture if applied postemergence over-the-top, or unacceptable injury may occur.

*Precaution: Do not apply this tank mixture postemergence to any cotton variety unless it is designated Roundup Ready and unless the Touchdown or Cornerstone or Roundup formulation being used is registered for postemergence use in Roundup Ready Cotton. Postemergence over-the-top applications of this tank mixture may cause temporary injury in the form of necrotic spotting to exposed cotton leaves, which will not affect normal plant development. Do not apply Touchdown or Cornerstone or Roundup postemergence over-the-top to cotton past the growth stage limit specified on their respective labels. Do not use on sand or loamy sand soils in Gaines County, TX.*

**GRASSES GROWN FOR SEED (ID, OR, WA) – CHARGER BASIC APPLIED ALONE**

To control weeds and volunteer grasses in established grasses grown for seed, apply CHARGER BASIC to established stands of tall fescue, orchardgrass, perennial ryegrass, fine fescue, bentgrass, and Kentucky bluegrass just before, during, or immediately following the first fall rains or just before or during a late summer or early fall irrigation, but before target grasses emerge. The seed crop must have had one seed harvest or been established at least one year. The postharvest residue (straw) should be evenly spread, removed, or burned before applying CHARGER BASIC. Rainfall or irrigation is required after application and before weed emergence for best control. CHARGER BASIC will provide preemergence control/suppression of volunteer seedlings of perennial ryegrass, fine fescue spp., tall fescue, orchardgrass, bentgrass and Kentucky bluegrass. CHARGER BASIC will control those weed species listed in the CHARGER BASIC Alone section of the CHARGER BASIC label and will suppress or control rattail fescue, annual bluegrass, Italian ryegrass, California brome, downy brome, and roughstalk bluegrass.

Apply CHARGER BASIC by ground equipment in a minimum of 10 gallons of water per acre using the rate listed below according to grass species.

| Established Grass Crop Grown for Seed | Pts./A |
|---|---|
| Fine fescue spp. | 1.0 |
| Perennial ryegrass | 1.0 |
| Bentgrass | 1.0-1.33 |
| Kentucky bluegrass | 1.0-1.33 |
| Orchardgrass | 1.0-1.33 |
| Tall fescue | 1.0-1.33 |

*Precautions: (1) Apply CHARGER BASIC only once per crop year. (2) Do not apply after the 15$^{th}$ of November or poor control may result. (3) Do not apply in tank mixtures with postemergence herbicides. (4) Application to perennial ryegrass and fine fescue stands under stress may cause crop injury. (5) If weed escapes occur following a CHARGER BASIC application, an application of a postemergence herbicide may be necessary to control escapes. When making such an application, follow all directions, precautions, and limitations on the label of the postemergence herbicide. (6) Control may be decreased if excessive straw from the previous harvest is present at application and/or insufficient rainfall/irrigation occurs.*

**Notes**: To avoid possible illegal residues: (1) Do not graze forage regrowth for 60 days following application west of the Cascades. (2) In areas east of the Cascades, do not graze forage regrowth for 150 days following application. (3) Hay may be harvested anytime between seed harvest and the next application of *S*-metolachlor.

**PEANUTS – CHARGER BASIC ALONE**

Apply CHARGER BASIC, either preplant incorporated, postplant incorporated, preemergence, or lay-by, using the appropriate rate specified below. **Preplant Incorporated or Preemergence:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures**. **Postplant Incorporated:** Apply and shallowly incorporate CHARGER BASIC into the soil after planting, but before peanut germination. Incorporation depth and incorporating implements must be kept above the seed, or seed will be damaged. **Lay-by:** Apply CHARGER BASIC to the soil immediately after the last normal cultivation.

Apply CHARGER BASIC alone, preplant incorporated, postplant incorporated, preemergence, or lay-by, at a broadcast rate of 1.0-1.33 pts./A in the Southeast* and 0.8-1.33 pts./A in NM, OK, and TX.

*In the Southeast, use 1.33-2.0 pts./A and apply preemergence for partial control of Florida beggarweed.

**Notes:** (1) CHARGER BASIC alone may be applied as directed after any of the following preplant incorporated herbicides when used according to their label recommendations: Balan at 3.0-4.0 qts./A; Trust Herbicide at 1.0 pt./A; Sonalan at 1.25-3.0 pts./A; Pursuit at 0.25 pt./A; or Framework at 1.0-2.0 pts./A. (2) Do not graze or feed peanut forage or fodder to livestock for 30 days following application, and (3) Do not apply within 90 days of harvest, or illegal residues may result.

**PEANUTS – CHARGER BASIC COMBINATIONS**
**TANK MIXTURE WITH BALAN L.C.**
CHARGER BASIC + Balan tank mixture applied preplant incorporated controls those weeds listed under **CHARGER BASIC Applied Alone** and those weeds as listed on the Balan label.

Apply 1.0-1.33 pts./A of CHARGER BASIC + 3.0-4.0 qts./A of Balan in a minimum of 10 gals. of spray volume per acre for ground application or in a minimum of 5.0 gals. of spray volume per acre for aerial application. Follow the recommended procedures for Balan on the Balan label for soil preparation and incorporation of this tank mix. Apply and incorporate CHARGER BASIC + Balan up to 14 days prior to planting.

**Note:** Follow all restrictions and precautions on the Balan label.

**Multiple Applications:** Where weed pressure is heavy or where species difficult to control are expected, CHARGER BASIC is most effective when used as follows:

**Southeast Only (AL, FL, GA, NC, SC, VA)**
**Preplant Incorporated:** Apply CHARGER BASIC preplant incorporated as directed under **Peanuts – CHARGER BASIC Alone** or apply CHARGER BASIC + Balan preplant incorporated as directed previously in this section. Refer to the respective section for weeds controlled.

**OR**

**Preemergence before "ground cracking":** Apply CHARGER BASIC any time from preemergence up to "ground cracking" at 1.0-2.0 pts./A for extended control of weeds not yet emerged. Refer to the **CHARGER BASIC Applied Alone** section for a list of weeds controlled.

Follow the PPI or PRE application by:
**Lay-by:** Apply CHARGER BASIC at lay-by as directed under **Peanuts–CHARGER BASIC Alone**. Use only when late germinating weeds are expected to be a problem. Refer to the **CHARGER BASIC Applied Alone** section for a list of weeds controlled.

**Notes:** (1) Do not apply more than the equivalent of 2.67 lbs. of active ingredient of CHARGER BASIC per acre during any one year, or illegal residues may result. If CHARGER BASIC is used as a sequential treatment, the lbs. of active ingredient (1.0 pt. = 0.95 lb.) plus the lbs. of active ingredient of CHARGER BASIC should not exceed 2.67 lbs. **Do not use CHARGER BASIC or Dual IIG Magnum after peanuts have emerged**. (2) Do not graze or feed peanut forage or fodder to livestock for 30 days following application, and (3) Do not apply within 90 days of harvest, or illegal residues may result.

**Southwest Only (NM, OK, TX)**
**1st Application:** Apply CHARGER BASIC preplant incorporated or preemergence or at-cracking as directed previously in this section. Refer to the respective section for weeds controlled.

**2nd Application:** Apply CHARGER BASIC at lay-by as directed under **Peanuts – CHARGER BASIC Alone** on that label. Use only when late germinating weeds are expected to be a problem. Refer to the **CHARGER BASIC Applied Alone** section for a list of weeds controlled.

**Notes:** (1) Do not apply more than the equivalent of 2.67 lbs. of active ingredient of CHARGER BASIC per acre during any one year, or illegal residues may result. If Charger Max is used as a sequential treatment, the lbs. of active ingredient (1.0 pt. = 0.95 lb.) plus the lbs. of active ingredient of CHARGER BASIC should not exceed 2.67 lbs. **Do not use CHARGER BASIC or Dual IIG Magnum after peanuts have emerged.** (2) Do not graze or feed peanut forage or fodder to livestock for 30 days following application, and (3) Do not apply within 90 days of harvest, or illegal residues may result.

**TANK MIXTURE OR SEQUENTIALLY WITH PURSUIT**
The tank mixture or sequential treatment of CHARGER BASIC and Pursuit controls all weeds controlled by CHARGER BASIC alone and by Pursuit alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Pursuit label for weeds controlled by Pursuit.

Refer to the respective labels for application methods, timing, rates, restrictions, and precautions; and use in accordance with the more restrictive label. Do not exceed the label rate of either product. CHARGER BASIC will not control emerged weeds.

**Tank Mixture with Sonalan**
The tank mixture controls all weeds controlled by CHARGER BASIC alone and by Sonalan alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Sonalan label for weeds controlled by Sonalan.

Apply CHARGER BASIC + Sonalan preplant incorporated using the appropriate rate from Table 5. Follow recommended soil preparation procedures for Sonalan.

**Table 5: CHARGER BASIC + Sonalan – Peanuts**

| | Broadcast Rates Per Acre | | | |
|---|---|---|---|---|
| | Southeast | | NM, OK, TX | |
| **Soil Texture** | **CHARGER BASIC** | **Sonalan** | **CHARGER BASIC** | **Sonalan** |
| **COARSE** | 1.0-1.33 pts. | 1.25-2.0 pts. | 0.8-1.33 pts. | 1.25-2.0 pts. |
| **MEDIUM** | 1.0-1.33 pts. | 1.75-2.5 pts. | 0.8-1.33 pts. | 1.75-2.5 pts. |
| **FINE** | 1.0-1.33 pts. | 2.25-3.0 pts. | 0.8-1.33 pts. | 2.25-3.0 pts. |

**Note:** Follow all use directions, limitations, precautions, and information regarding application to peanuts on the CHARGER BASIC and Sonalan labels.

**TANK MIXTURE WITH FRAMEWORK**
CHARGER BASIC + Framework applied preplant incorporated controls all weeds controlled by CHARGER BASIC alone plus Texas panicum, field sandbur, johnsongrass from seed, lambsquarters, kochia, annual spurge, and other species on the Framework label. Apply CHARGER BASIC + Pandent by ground or by aerial equipment within 14 days before planting. Incorporate into the top 1-2 inches of soil before planting and within 7 days of application, using a finishing disk or similar implement capable of providing uniform incorporation. If peanuts will be planted on beds, apply and incorporate after bed formation. Refer to the **Incorporation** instructions of the respective labels for additional directions.

Apply CHARGER BASIC + Framework preplant incorporated, using the appropriate rates from Table 6.

**Table 6: CHARGER BASIC + Framework – Peanuts**

| | Broadcast Rates Per Acre | |
|---|---|---|
| | **NM, OK, TX** | **Other Peanut Growing States** |
| **Soil Texture** | **CHARGER BASIC + Framework** | **CHARGER BASIC + Framework** |
| Sand, loamy sand | 0.8 + 1.2-2.4 pts. | 1.0-1.33 + 1.8-2.4 pts. |
| Sandy loam | 0.8-1.0 + 1.2-2.4 pts. | 1.0-1.33 + 1.8-2.4 pts. |
| Fine soil | 1.33 + 1.2-2.4 pts. | 1.33 + 1.8-2.4 pts. |

**Note:** Follow all use directions, limitations, precautions, and information regarding application to peanuts on the CHARGER BASIC and Framework labels.

**TANK MIXTURE OR SEQUENTIALLY WITH STARFIRE**
CHARGER BASIC + Starfire applied at ground cracking or sequentially will control or suppress small (1-6 inch) emerged annual grass and broadleaf weeds and provide residual control of weed species listed in the **CHARGER BASIC Applied Alone** section of this label. Apply 11 fl. oz./A of Starfire with the appropriate CHARGER BASIC rate from the **Peanuts – CHARGER BASIC Alone** section in a minimum spray volume of 20 gals./A with ground equipment. A second application of CHARGER BASIC + Starfire may be made 28 days after ground cracking. (Refer to the **Peanuts – CHARGER BASIC Combinations – Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Starfire application may be made in all peanut growing areas, if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

**TANK MIXTURE OR SEQUENTIALLY WITH STARFIRE + BASAGRAN**
The addition of Basagran to the CHARGER BASIC + Starfire mixture will result in improved control of such problem broadleaf weeds as prickly sida, cocklebur, smartweed, and bristly starbur. CHARGER BASIC + Starfire + Basagran applied at ground cracking or sequentially will control or suppress small (1-6 inch) emerged annual grass and broadleaf weeds and provide residual control of weed species listed in the **CHARGER BASIC Applied Alone** section of this label. Apply 1.0 pt./A of Basagran + 11 fl. oz./A of Starfire with the appropriate CHARGER BASIC rate from the **Peanuts – CHARGER BASIC Alone** section in a minimum spray volume of 20 gals./A with ground equipment. A second application of CHARGER BASIC + Starfire + Basagran may be made 28 days after ground cracking. (Refer to the **Peanuts – CHARGER BASIC Combinations – Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Starfire + Basagran application

may be made in all peanut growing areas, if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

**TANK MIXTURE OR SEQUENTIALLY WITH STARFIRE + BUTYRAC 200 OR BUTOXONE 200**
The addition of Butyrac 200 or Butoxone 200 to the CHARGER BASIC + Starfire mixture will result in improved control of such problem broadleaf weeds as sicklepod, morningglory, and cocklebur. CHARGER BASIC + Starfire + Butyrac 200 or Butoxone 200 applied at ground cracking or sequentially will control or suppress small (1-6 inch) emerged annual grass and broadleaf weeds and provide residual control of weed species listed in the **CHARGER BASIC Applied Alone** section of this label. Apply 11 fl. oz./A of Starfire + 8-16 fl. oz./A (0.125-0.25 lb./A) of Butyrac 200 or Butoxone 200 with the appropriate CHARGER BASIC rate from the **Peanuts –CHARGER BASIC Alone** section in a minimum spray volume of 20 gals./A with ground equipment. A second application of CHARGER BASIC + Starfire + Butyrac 200 or Butoxone 200 may be made 28 days after ground cracking. (Refer to the **Peanuts – CHARGER BASIC Combinations –Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Starfire + Butyrac 200 or Butoxone 200 application may be made in all peanut growing areas, if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

**TANK MIXTURE OR SEQUENTIALLY WITH BASAGRAN**
CHARGER BASIC + Basagran applied at ground cracking or sequentially will control species on the Basagran label and provide residual control of species listed in the **CHARGER BASIC Applied Alone** section of this label. Apply 1.0-2.0 pts./A of Basagran in 20 gals./A, depending on weed species and stage of growth as specified on the Basagran label, with the appropriate CHARGER BASIC rate from the **Peanuts – CHARGER BASIC Alone** section. A second application of the combination may be made before peanut pegging. (Refer to the **Peanuts – CHARGER BASIC Combinations – Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Basagran application may be made in all peanut growing areas, if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

**TANK MIXTURE OR SEQUENTIALLY WITH BASAGRAN + BUTYRAC 200 OR BUTOXONE 200**
CHARGER BASIC + Basagran + Butyrac 200 or Butoxone 200 applied at ground cracking or sequentially will control species on the Basagran label and on the Butyrac or Butoxone labels, especially morninglories. Apply 1.5-2.0 pts./A of Basagran + 8.0 fl. oz./A of Butyrac 200 or Butoxone 200 in 20 gals./A, depending on weed species and stage of growth as specified on the Basagran label, with the appropriate CHARGER BASIC rate from the **Peanuts – CHARGER BASIC Alone** section. A second application of the combination may be made before peanut pegging. (Refer to the **Peanuts – CHARGER BASIC Combinations – Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Basagran + Butyrac 200 or Butoxone 200 application may be made in all peanut growing areas, if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

**TANK MIXTURE OR SEQUENTIALLY WITH STORM®**
CHARGER BASIC + Storm applied at ground cracking through 2 expanded tetrafoliate leaves or CHARGER BASIC applied according to the directions for **CHARGER BASIC Alone** and followed with an at-cracking through postemergence treatment of Storm as specified on its label will control species on the Storm label and provide residual control of species listed in the **CHARGER BASIC Applied Alone** section of this label. CHARGER BASIC will not control emerged weeds. Refer to the **Peanuts – CHARGER BASIC Alone** section and to the Storm label and follow all directions, limitations, and restrictions for each product.

**POD CROPS – CHARGER BASIC ALONE**
Pod crops, including garbanzo, great northern beans, kidney beans, lima beans, mung beans, navy beans, peas (English*; southern peas, such as blackeye, pinkeye, crowder, etc.), pinto beans, snap beans (green, wax, string), lentils, and lupines (sweet, white, white sweet, and grain).

**Fall Application:**
- Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
- Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
- Apply after October 31 north of Route 136 in IL.

In all locations, apply to crop stubble after harvest when the sustained soil temperature at a 4-inch depth is less than 55°F and falling. In minimum-till or no-tillage systems on soils having greater than 2.5% organic matter, use 1.67-2.0 pts./A on *medium-textured* and 2.0 pts./A on *fine-textured soils*. Do not apply to frozen ground. A tillage operation may precede the application. A fall and/or a spring tillage may follow application, but do not exceed an incorporation depth greater than 2-3 inches. Minimize furrow and ridge formation in the tillage operations. **Note:** If a spring

application is made, the total rate of the fall plus spring applications must not exceed the maximum total rate for pod crops, or illegal residues may result.

**Spring Application:**
Apply CHARGER BASIC, either preplant incorporated or preemergence, using the appropriate rate specified below.
**Preplant Incorporated or Preemergence:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures**. On *coarse soils* with less than 3% organic matter, apply 1.0-1.33 pts./A of CHARGER BASIC or 1.33 pts./A if organic matter is 3% or greater. On *medium soils*, apply 1.33-1.67 pts./A of CHARGER BASIC. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.67-2.0 pts./A if organic matter content is 3% or greater.
*On English peas, use only preemergence applications. Do not use on English peas in northeastern U.S., or injury may occur.

**Notes:** To avoid possible illegal residues, (1) Do not cut for hay within 120 days following a CHARGER BASIC application, (2) Do not use for forage within 60 days following a Charger Max application, and (3) Do not apply more than 2.0 pts./A of CHARGER BASIC during any one crop year.

**POD CROPS – CHARGER BASIC COMBINATIONS**
**Note:** When applying CHARGER BASIC in combination on pod crops, do not cut for hay within 120 days following application, or illegal residues may result.

**TANK MIXTURE AND SEQUENTIAL APPLICATIONS WITH EPTAM – BEANS (GREEN OR DRY)**
This mixture controls all weeds controlled by CHARGER BASIC alone and by Eptam alone. Refer to the **CHARGER BASIC Applied Alone** section of this label for weeds controlled by CHARGER BASIC alone and to the Eptam label for weeds controlled by Eptam.

**Preplant Incorporated:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures**.
**Sequential:** Apply Eptam alone preplant incorporated, as specified on that label. Follow with a preemergence application of CHARGER BASIC, at rates specified for CHARGER BASIC alone, during planting (behind the planter) or after planting, but before the weeds or crop emerge.

Refer to the **General Information** section of this label and to the Eptam label for weather, cultural practices, and all other precautions and limitations that affect performance of these products.

Apply 2.5-4.5 pts./A of Eptam 7E* with CHARGER BASIC as specified. On *coarse soils*, apply 0.8 pt./A of CHARGER BASIC if organic matter content is less than 3%, or 1.0 pt./A if organic matter content is 3% or greater. On *medium soils*, apply 1.0 pt./A of CHARGER BASIC if organic matter content is less than 3%, or 1.33 pts./A if organic matter content is 3% or greater. On *fine soils*, apply 1.33 pts./A of CHARGER BASIC if organic matter is less than 3%, or 1.33-1.67 pts./A if organic matter is 3% or greater.
*Refer to the Eptam label for rate limitations depending on geographical area, and for species and varietal restrictions.

*Precaution: Do not exceed 3.5 pts./A of Eptam 7E on small white beans or green beans grown on coarse-textured soils.*

**TANK MIXTURE WITH TRUST – BEANS (DRY – KIDNEY, NAVY, PINTO, ETC.; LIMA; AND SNAP)**
CHARGER BASIC + Trust tank mix applied preplant incorporated controls those weeds listed under **CHARGER BASIC Applied Alone** and those weeds listed for Trust alone on the Trust label. CHARGER BASIC + Trust may be applied by ground or by aerial equipment and incorporated up to 14 days prior to planting. Follow the recommended procedures on this label and on the respective Trust label, using equipment that provides uniform 2-inch incorporation.

Apply CHARGER BASIC + Trust tank mix using the appropriate CHARGER BASIC rate specified for CHARGER BASIC alone, and the Trust rate from the Dry Beans, and the Lima and Snap Beans sections of the respective Trust label. Choose the product rate for the specific soil texture/organic matter classification and weed species expected.

**Note:** Follow all restrictions and precautions on the respective Trust label and in the **Pod Crops – CHARGER BASIC Alone** section of this label.

**POTATOES – CHARGER BASIC ALONE**
Apply CHARGER BASIC, either incorporated, preemergence, or postemergence to potatoes after hilling/lay-by, according to directions specified below for control of weeds listed under the **General Information** section. Within a

rate range, use the lower rate on soils relatively coarse-textured or low in organic matter; use the higher rate on soils relatively fine-textured or high in organic matter. Effectiveness will be reduced if later cultural practices expose untreated soil. For applications by center pivot irrigation, see the **Center Pivot Irrigation Application** section of this label.

**Incorporated:** Apply CHARGER BASIC at 1.0-2.0 pts./A to the soil and incorporate into the top 3 inches before planting, using a finishing disk, harrow, rolling cultivator, or similar implement. Planting and later cultural practices should not bring untreated soil to the surface. Postplant incorporated application may be made any time after planting to drag-off, but before potato emergence. Use an implement that evenly distributes CHARGER BASIC in the top 2 inches of soil. Do not damage potato seed pieces or sprouts with incorporation equipment.

**Preemergence:** Apply CHARGER BASIC at 1.0-2.0 pts./A, either after planting as a preemergence, delayed preemergence, after drag-off or hilling treatment, but before weeds emerge. Up to 2.6 pts./A of CHARGER BASIC alone may be used where soil organic matter is between 6% and 20%.

**Postemergence After Hilling/Lay-by:** Apply 1.67 pts./A of CHARGER BASIC postemergence to potatoes through after hilling/at lay-by to control CHARGER BASIC-sensitive species for remainder of the growing season. This application will not control emerged weeds. It may be applied over a previous CHARGER BASIC application, but do not apply more than 3.6 pts./A of CHARGER BASIC in a single crop season.

*Precautions: (1) Do not use on muck or peat soils. If cool, wet soil conditions occur after application, CHARGER BASIC may delay maturity and/or reduce yield of Superior and other early maturing potato varieties. (2) These directions for use do not apply to sweet potatoes or yams. (3) Do not apply both as a preemergence and an incorporated treatment.*

**Note:** Potatoes treated with CHARGER BASIC should not be harvested within 60 days after the at-planting to drag-off application, or within 40 days after a lay-by application, or illegal residues may result.

**POTATOES – CHARGER BASIC COMBINATIONS**
**TANK MIXTURE WITH SENCOR OR LEXONE**
In addition to those weeds controlled by CHARGER BASIC alone, CHARGER BASIC applied in tank mix combination with, or sequentially with, any of the registered Sencor or Lexone formulations, also controls the following broadleaf weeds: cocklebur*, hairy nightshade*, hemp sesbania, jimsonweed*, lambsquarters, prickly sida, ragweed, smartweed, velvetleaf, Venice mallow, and wild mustard.
*Partially controlled.

CHARGER BASIC at 1.0-2.0 pts./A plus the labeled Sencor/Lexone use rate may be used preemergence or postemergence to potatoes through after last hilling. Apply 1.0-1.33 pts./A of CHARGER BASIC on *coarse soils* and 1.33-2.0 pts./A on other soil textures. Within this rate range, use the lower rate on soils relatively coarse-textured or low in organic matter; use the higher rate on soils relatively fine-textured or high in organic matter. Effectiveness will be reduced if later cultural practices expose untreated soil. CHARGER BASIC will not control emerged weeds.

Refer to the Sencor or Lexone labels for precautionary statements, restrictions, application information, center pivot irrigation application, weeds controlled, and varietal limitations.

*Precautions: (1) Postemergence applications to potatoes except center pivot should be made only as a directed or semi-directed spray to avoid chlorosis, minor necrosis, or leaf distortion. (2) These directions for use do not apply to sweet potatoes or yams. (3) Do not use this tank mixture on muck or peat soils.*

**Notes:** (1) Potatoes treated with CHARGER BASIC in tank mixture with Sencor or Lexone cannot be harvested within 60 days after application, or illegal residues may result. (2) Potatoes may not be harvested within 40 days after a lay-by application of CHARGER BASIC, or illegal residues may result.

**CHARGER BASIC + LOROX TANK MIXTURE (EAST OF ROCKY MOUNTAINS)**
CHARGER BASIC may be applied in a tank mix combination with any of the registered Lorox formulations as a preemergence broadcast application to potatoes. Apply to the soil surface after planting and before emergence of the crop or after final drag-off according to the rates specified in Table 7.

**Table 7: CHARGER BASIC + Lorox - Potatoes (East of Rocky Mountains)**

| | Broadcast Rates Per Acr | | | |
|---|---|---|---|---|
| | 1% to Less Than 3% Organic Matter | | 3-5% Organic Matter | |
| **Soil Texture** | **CHARGER BASIC** | **Lorox*** | **CHARGER BASIC** | **Lorox*** |
| **COARSE** Sandy loam | 1.0 pt. | 1.0-1.5 lbs. | 1.33 pts. | 1.5-2.0 lbs. |
| **MEDIUM** Loam, silt loam, silt | 1.33 pts. | 1.5-2.0 lbs. | 1.67-2.0 pts. | 2.0-2.5 lbs. |

*When using Lorox L or Lorox DF, use equivalent rates. One pt. of Lorox L equals 1.0 lb. of Lorox DF.

*Precautions: To avoid crop injury, (1) Do not use on sands or loamy sands, and (2) Do not incorporate or spray over the top of emerged potatoes.*

Refer to the **General Information** section of this label and to the Lorox label for precautionary statements, restrictions, application information, and weeds controlled.

**TANK MIXTURE WITH FRAMEWORK**
In addition to the weeds controlled by CHARGER BASIC alone, this tank mixture with Framework controls such problem species as kochia, lambsquarters, purslane, annual spurge, stinging nettle, and others specified on the Framework alone label. Apply CHARGER BASIC + Framework preemergence, preemergence incorporated, or early postemergence according to the specific directions on the Framework label, using the rates in Table 8.

**Table 8: CHARGER BASIC + Framework– Potatoes**

| | Broadcast Rates Per Acre | |
|---|---|---|
| | Less Than 3% Organic Matter | More Than 3% Organic Matter |
| **Soil Texture** | **CHARGER BASIC + Framework*** | **CHARGER BASIC + Framework*** |
| **COARSE** | 1.0-1.33 pts. + 1.2-1.8pts. | 1.0-1.33 pts. + 1.2-1.8 pts. |
| **MEDIUM** | 1.33 pts. + 1.8-2.4 pts. | 1.33-1.67 pts. + 2.4-3.6 pts. |
| **FINE** | 1.33-1.67 pts. + 2.4-3.6 pts. | 1.67-2.0 pts. + 3.6 pts. |

*When using other formulations of Framework, use equivalent rates of active ingredient.

Refer to the CHARGER BASIC and Framework labels and observe all directions, timings, limitations, precautions, and restrictions concerning the use of these products on potatoes and follow the most restrictive.

**TANK MIXTURE WITH FRAMEWORK + EPTAM**
In addition to the weeds controlled by CHARGER BASIC alone, this tank mixture will control those species on the Framework and Eptam labels. Refer to the CHARGER BASIC +Framework labels for rates of those products and add Eptam 7E at 3.5-7.0 pts./A, depending on geographical area. Refer to the respective CHARGER BASIC, Framework and Eptam labels and observe all directions, limitations, precautions, and restrictions concerning the use of these products on potatoes and follow the most restrictive.

**SAFFLOWERS – CHARGER BASIC ALONE**
**Preplant Incorporated or Preemergence**: Follow instructions for use of CHARGER BASIC alone under Application Procedures.
On *coarse soils*, apply 1.0-1.33 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.33 pts./A if organic matter is 3% or greater. On *medium soils*, apply 1.33-1.67 pts./A of CHARGER BASIC. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.67-2.0 pts./A if organic matter content is 3% or greater.

**GRAIN OR FORAGE SORGHUM (SEED TREATED WITH CONCEP®) – CHARGER BASIC ALONE**
Apply CHARGER BASIC, either preplant surface, preplant incorporated, or preemergence, using the appropriate rate specified below. Apply CHARGER BASIC alone only when the sorghum seed has been properly treated by the seed company with Concep.

**Preplant Surface-Applied:** Refer to instructions for use of CHARGER BASIC under **Application Procedures**. For minimum-tillage or no-tillage systems only, CHARGER BASIC may be applied up to 45 days before planting in CO, IA, IL, KS, MO, NE, and SD. Use only split applications for treatments made 30-45 days prior to planting, with 2/3 of the broadcast rate applied initially and the remaining 1/3 at planting. Apply 1.5 pts./A of CHARGER BASIC on *medium soils* or 1.67 pts./A on *fine soils*. Treatments less than 30 days prior to planting may be made either as a split or single application. Apply 1.33 pts./A of CHARGER BASIC on *coarse soils* not more than 2 weeks prior to planting. Under dry conditions, irrigation after application is recommended to move CHARGER BASIC into the soil.

**Preplant Incorporated or Preemergence:** Refer to instructions for use of CHARGER BASIC under **Application Procedures**. Broadcast 1.0-1.33 pts./A of CHARGER BASIC on *coarse soils*, 1.33-1.5 pts./A on *medium soils*, or 1.33-1.67 pts./A on *fine soils*.

*Precautions: (1) If sorghum seed is not properly treated with Concep, CHARGER BASIC will severely injure the crop. (2) Under high soil moisture conditions prior to sorghum emergence, injury may occur following the use of CHARGER BASIC. The crop will normally outgrow this effect. (3) Do not use CHARGER BASIC on sorghum grown under dry mulch tillage, or injury may occur. (4) Except for the split preplant surface treatment, do not make more than one application per year, or illegal residues may result.*

**GRAIN OR FORAGE SORGHUM (SEED TREATED WITH CONCEP) – CHARGER BASIC COMBINATIONS**
CHARGER BASIC tank mixtures with AAtrex may be applied in water or fluid fertilizer. Apply CHARGER BASIC in tank mixtures only when the sorghum seed has been properly treated by the seed company with Concep.

**IMPORTANT: FOR TANK MIXTURES WITH AATREX (OR OTHER BRANDS OF ATRAZINE) – If applying CHARGER BASIC in tank mixture with AAtrex, all the restrictions and rate limitations on the AAtrex label must be followed if more restrictive/protective than those on this label. In addition, if AAtrex is/must be applied at rates lower than those recommended on this label, broadleaf weed control may be affected. Refer to the AAtrex label for weeds controlled at the reduced rates.**

*Precautions: (1) Applications of CHARGER BASIC + AAtrex on highly alkaline soils or on eroded areas where calcareous subsoils are exposed may cause sorghum injury. (2) If sorghum seed is not properly treated with Concep, CHARGER BASIC + AAtrex may severely injure the crop. (3) Under high soil moisture conditions prior to sorghum emergence, injury may occur following the use of CHARGER BASIC + AAtrex. The crop will normally outgrow this effect. (4) Do not use CHARGER BASIC + AAtrex on sorghum grown under dry mulch tillage, or injury may occur. (5) Except for the split preplant surface treatment, do not make more than one application per year, or illegal residues may result.*

**TANK MIXTURE WITH AATREX**
In addition to the weeds controlled by CHARGER BASIC alone, CHARGER BASIC + AAtrex also controls the following broadleaf weeds when applied either preplant surface, preplant incorporated, or preemergence: cocklebur, common purslane, hairy nightshade, lambsquarters, morningglory, ragweed, smartweed, and velvetleaf.

**Preplant Surface-Applied:** Refer to instructions for use of CHARGER BASIC under **Application Procedures**. For minimum-tillage or no-tillage systems only, CHARGER BASIC + AAtrex may be applied up to 45 days prior to planting in IA, IL, eastern KS, MO, NE, and SD. Use only split applications for treatments made 30-45 days prior to planting, with 2/3 of the broadcast rate applied initially and the remaining 1/3 at planting. Apply 1.5 pts./A of CHARGER BASIC + 1.7-2.0 lbs./A of AAtrex Nine-O* on *medium soils* with 1.5% organic matter or greater. Apply 1.5 pts./A of CHARGER BASIC + 1.7-2.0 lbs./A of AAtrex Nine-O on *fine soils* with less than 1.5% organic matter, or apply 1.67 pts./A of CHARGER BASIC + 2.0-2.2 lbs./A of AAtrex Nine-O on *fine soils* with 1.5% organic matter or greater. Treatments less than 30 days prior to planting may be made either as a split or single application. Under dry conditions, irrigation after application is recommended to move CHARGER BASIC + AAtrex into the soil.

*Precautions: To avoid crop injury, (1) Do not use on coarse soils, and (2) Do not use on medium soils with less than 1.5% organic matter.*

**Preplant Incorporated or Preemergence:** Refer to instructions for use of CHARGER BASIC under **Application Procedures**. On *medium soils* with 1.5% organic matter or greater, apply 1.0 pt./A of CHARGER BASIC + 1.3 lbs./A of AAtrex Nine-O*. On *fine soils* with less than 1.5% organic matter, apply 1.0 pt./A of CHARGER BASIC + 1.3 lbs./A of AAtrex Nine-O; on *fine soils* with 1.5% organic matter or greater, apply 1.2-1.33 pts./A of CHARGER BASIC + 1.6-1.8 lbs./A of AAtrex Nine-O.

*When using AAtrex 4L, use equivalent rates. One lb. of AAtrex Nine-O =1.8 pts. of AAtrex 4L.

*Precautions: To avoid crop injury, (1) Do not use on coarse soils; (2) Do not use on medium soils with less than 1.5% organic matter; (3) Do not use in NM, OK, or TX, except in northeast OK and the TX Gulf Coast and Blacklands areas; and (4) Do not apply preplant incorporated in AZ or the Imperial Valley of CA.*

**TANK MIXTURE OF CHARGER BASIC OR CHARGER BASIC + AATREX, WITH GRAMOXONE MAX, LANDMASTER BW, OR ROUNDUP FOR MINIMUM-TILLAGE OR NO-TILLAGE SYSTEMS**
In minimum-tillage or no-tillage systems where sorghum (seed treated with Concep) is planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides Gramoxone MAX, Landmaster BW, or Roundup may be tank mixed with CHARGER BASIC or CHARGER BASIC + AAtrex. See Comment No. 7 following Chart 1. The CHARGER BASIC or CHARGER BASIC + AAtrex portion of the tank mixture provides preemergence control of the weeds listed on this label under the respective sections.

Refer to the label of each product used in combination and observe the planting details, restrictions, and all other precautions and limitations.

**Application:** Apply before, during, or after planting, but before sorghum emerges, at the appropriate rates listed under **Grain or Forage Sorghum – CHARGER BASIC Alone** or **– CHARGER BASIC Combinations – CHARGER BASIC + AAtrex,** respectively. Add Gramoxone MAX, Landmaster BW, or Roundup at the following broadcast rates:

**Gramoxone MAX:** 1.5-2.0, 2.0-2.5, or 2.5-3.0 pts./A to 1-3, 3-6, or 6-inch tall weeds, respectively. Apply surfactant at 1.0 or 2.0 pts./100 gals. of spray mixture with 75% or greater or 50-74% nonionic active ingredient, respectively. This treatment will not control weeds taller than 6 inches.

**Landmaster BW:** 27-54 oz./A depending on weed species and size. See the Landmaster BW label for weeds controlled, recommended rates for specific weeds, and other information concerning use.

**Roundup:** See the Roundup or Roundup RT label for weeds controlled, recommended rates, and other use directions.
Apply in a minimum of 20 gals. of water per acre with conventional spray equipment.

**SOYBEANS – CHARGER BASIC ALONE**
Apply CHARGER BASIC, either preplant surface-applied, preplant incorporated, or preemergence, or as a postemergence using the appropriate rate specified below. **Preplant Surface-Applied, Preplant Incorporated**, or **Preemergence:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures**.

**Preplant Surface-Applied**
**Fall Application:**

- Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
- Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
- Apply after October 31 north of Route 136 in IL.

In all locations, apply to crop stubble after harvest when the sustained soil temperature at a 4-inch depth is less than 55° F and falling. In minimum-till or no-tillage systems on soils having greater than 2.5% organic matter, use 1.67-2.0 pts./A on *medium-textured* and 2.0 pts./A on *fine-textured soils*. Do not apply to frozen ground. A tillage operation may precede the application. A fall and/or a spring tillage may follow application, but do not exceed an incorporation depth greater than 2-3 inches. Minimize furrow and ridge formation in the tillage operations. **Note:** If a spring application is made, the total rate of the fall plus spring applications must not exceed the maximum total rate for soybeans, or illegal residues may result.

Use on medium and fine soils with minimum-tillage or no-tillage systems in CO, CT, DE, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MT, ND, NE, NH, NY, OH, PA, RI, SD, TN, VA, VT, WI, WV, and WY. Apply 2/3 the recommended rate of CHARGER BASIC (1.67 pts./A on *medium soils* and 2.0 pts./A on *fine soils*) as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days before planting may be as either a split or single treatment. Apply 1.33 pts./A on *coarse soils* not more than 2 weeks prior to planting.

**Preplant Incorporated or Preemergence:** On *coarse soils*, apply 1.0-1.33 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.33 pts./A if organic matter content is 3% or greater. On *medium soils*, apply 1.33-1.67 pts./A of CHARGER BASIC. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC if organic matter content is less than 3%, or 1.67-2.0 pts./A if organic matter content is 3% or greater.

**Note:** On soybeans, CHARGER BASIC may be used up to 2.6 pts./A as a preplant surface-applied, preplant incorporated, or preemergence treatment on soils having an organic matter content between 6% and 20%. The total

CHARGER BASIC rate applied to soybeans during any one crop should not exceed 2.6 pts./A. Do not graze or feed treated soybean forage, hay, or straw to livestock 30 days following treatment, or illegal residues may result.

**POSTEMERGENCE USE ON SOYBEANS – CHARGER BASIC ALONE**

Postemergence: Apply 1.0-1.33 pts./A as a postemergence treatment to soybeans. This treatment will control only weeds that have not emerged. Apply this treatment to soybeans from emergence up through the third trifoliate leaf stage. A postemergence application of CHARGER BASIC may not be applied if a preplant surface, preplant incorporated, or preemergence application of S-metolachlor products such as CHARGER BASIC or Dual II MAGNUM had already been applied.

**Note:** To avoid possible illegal residues when CHARGER BASIC is applied postemergence to soybeans: (1) Do not apply more than 1.33 pts./A postemergence. (2) Make postemergence applications at least 90 days before harvest. (3) Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application of CHARGER BASIC.

**SOYBEANS – CHARGER BASIC COMBINATIONS**

Water or fluid fertilizer may be used as carrier for CHARGER BASIC in combination with Sencor, Lexone, Lorox, Lorox Plus, Gemini, Canopy, Preview, Pursuit, Scepter, Sonalan, or Command.

**Note:** For all of the following combinations, CHARGER BASIC may be used up to 2.33 pts./A on soils having an organic matter content between 6% and 20%. The total CHARGER BASIC rate applied to soybeans during any one crop year should not exceed 2.6 pts./A.

**TANK MIXTURE WITH SENCOR OR LEXONE**

In addition to those weeds controlled by CHARGER BASIC alone, CHARGER BASIC + Sencor or Lexone, when applied as directed, also controls the following broadleaf weeds: cocklebur*, hairy nightshade, hemp sesbania, jimsonweed*, lambsquarters, prickly sida, ragweed, smartweed, velvetleaf, Venice mallow, and wild mustard.
*Partially controlled.

Apply CHARGER BASIC and Sencor or Lexone preplant incorporated or preemergence, using the appropriate rates from Table 9. **Preplant Incorporated or Preemergence:** Follow instructions for use of CHARGER BASIC alone under **Application Procedures**.

**Sequential:** Apply CHARGER BASIC alone **Preplant Incorporated**, as specified in Table 9 for this tank mixture. Follow with a preemergence application of Sencor or Lexone during planting (behind the planter) or after planting, but before weeds or soybeans emerge.

Refer to the Sencor or Lexone labels for planting details and soybean variety restrictions.

**Table 9: CHARGER BASIC + Sencor or Lexone – Soybeans**

| | **Broadcast Rates Per Acre** | | | | | |
|---|---|---|---|---|---|---|
| | **0.5% to Less Than 3% Organic Matter** | | | **3% Organic Matter or Greater** | | |
| **Soil Texture**** | **CHARGER BASIC** | **+** | **Sencor/ Lexone DF*** | **CHARGER BASIC** | **+** | **Sencor/ Lexone DF*** |
| **COARSE** Loamy sand (over 2% organic matter), sandy loam | 0.8-1.0 pt. | + | 0.33 lb. | 1.0 pt. | + | 0.5 lb. |
| **MEDIUM** | 1.0-1.33 pts. | + | 0.5 lb. | 1.33 pts. | + | 0.67 lb.*** |
| **FINE** | 1.33 pts. | + | 0.67 lb. | 1.33-1.67 pts. | + | 0.67 lb. |
| **Mississippi Delta only** Silty clay, clay | 1.33 pts. | + | 1.0 lb. | 1.33-1.67 pts. | + | 1.0 lb. |
| Muck or Peat (soils with more than 20% organic matter) | DO NOT USE | | | | | |

*When using Sencor 4 or Lexone 4L, multiply lbs. of DF by 1.5 to get pts./A.

**On all sand and on loamy sand with less than 2% organic matter, do not use this tank mixture preemergence, or the sequential treatment. Do not use the tank mixture preplant incorporated on any sand, loamy sand, or sandy loam, or crop injury may occur.

***Use 0.5 lb./A if applied preplant incorporated.

*Precautions: (1) Do not use the tank mix or sequential application on soil with less than 0.5% organic matter or on alkaline soil with a pH over 7.4, or crop injury may occur. (2) If heavy rain occurs soon after application, crop injury may result, especially in poorly drained areas where water stands for several days.*

**Note:** Follow most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Sencor and Lexone labels.

**TANK MIXTURE WITH LOROX**
In addition to those weeds controlled by CHARGER BASIC alone, CHARGER BASIC + Lorox, applied preemergence, also controls the following broadleaf weeds: cocklebur*, jimsonweed*, lambsquarters, morningglory*, prickly sida, ragweed, smartweed, velvetleaf*, Venice mallow, and wild mustard.
*Partially controlled.

**Preemergence:** Apply during planting (behind planter) or after planting, but before weeds or soybeans emerge. Refer to the Lorox label for planting details. Apply the appropriate rates from Table 10.

*Precaution: Do not use on soil with less than 0.5% organic matter, or crop injury may occur.*

**Table 10: CHARGER BASIC + Lorox – Soybeans**

| | **Broadcast Rates Per Acre** | | | | | |
|---|---|---|---|---|---|---|
| | **0.5% to Less Than 3% Organic Matter** | | | **3% Organic Matter or Greater** | | |
| **Soil Texture*** | **CHARGER BASIC** | **+** | **Lorox DF*****| **CHARGER BASIC** | **+** | **Lorox DF***** |
| **COARSE**** | 0.8 pt. | + | 1.0 lb. | 1.0 pt. | + | 1.0-1.5 lbs. |
| **MEDIUM** | 1.0 pt. | + | 1.0-1.5 lbs. | 1.33 pts. | + | 1.5-2.0 lbs. |
| **FINE** | 1.33 pts. | + | 2.0 lbs. | 1.33-1.67 pts. | + | 2.5-3.0 lbs. |
| Muck or Peat (soils with more than 20% organic matter) | DO NOT USE | | | | | |

*Do not use on sand, gravelly soils, or exposed subsoils.
**Do not use on loamy sand, except in the northeastern U.S. on loamy sand with over 1% organic matter.
***When using Lorox L or Lorox DF, use equivalent rates. One pt. of Lorox L equals 1.0 lb. of Lorox DF.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC –Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Lorox labels.

**TANK MIXTURE WITH TRUST**
CHARGER BASIC + Trust tank mix applied preplant incorporated controls those weeds listed under the **CHARGER BASIC Applied Alone** section and those weeds listed for Trust Alone on the Trust label. CHARGER BASIC + Trust may be applied by ground or by aerial equipment and incorporated up to 14 days before planting. Follow the recommended procedures on the Trust and CHARGER BASIC labels, using equipment that provides uniform 2-inch incorporation.

Apply CHARGER BASIC + Trust tank mix using the appropriate rate from the **Soybeans – CHARGER BASIC Alone** section of this label and the Trust Alone section of the Trust label for the specific soil texture/organic matter classification and weed species expected.

To control DNA-resistant goosegrass* and other species on the respective labels where the soil organic matter is 3% or less, apply the rate in Table 11.

**Table 11: CHARGER BASIC + Trust – Organic Matter Content Less Than 3%**

| | Broadcast Rates Per Acre | | |
|---|---|---|---|
| | **CHARGER BASIC** | **Trust Herbicide** | |
| | **Organic Matter** | **Organic Matter** | |
| **Soil Texture** | **Less Than 3%** | **Less Than 2%** | **2-3%** |
| **COARSE*** | 0.8-1.0 pt. | 1.0 pt. | 1.5 pts. |
| **MEDIUM** | 1.0 pt. | 1.5 pts. | 1.5 pts. |
| **FINE** | 1.33 pts. | 2.0 pts. | 2.0 pts. |

*Where a range of rates is given for CHARGER BASIC, use the minimum rate where DNA-resistant goosegrass is the predominant species.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Trust labels.

**TANK MIXTURE WITH SCEPTER**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Scepter alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Scepter label for weeds controlled by Scepter. Refer to the Scepter label for geographical locations where this tank mixture may be applied.

Apply CHARGER BASIC + Scepter preplant incorporated or preemergence, using rates in Table 12. Follow use directions under **Application Instructions** on the Scepter label. For preplant incorporated applications, apply and incorporate within 30 days before planting. Observe all other precautions and limitations on the Scepter labels.

**Table 12: CHARGER BASIC + Scepter – Soybeans**

| | Broadcast Rates Per Acre | | | |
|---|---|---|---|---|
| | **Less Than 3% Organic Matter** | | **3% or More Organic Matter** | |
| **Soil Texture** | **CHARGER BASIC** | **Scepter** | **CHARGER BASIC** | **Scepter** |
| **COARSE** | 0.8 pt. | 0.67 pt. | 1.0 pt. | 0.67 pt. |
| **MEDIUM** | 1.0 pt. | 0.67 pt. | 1.33 pts. | 0.67 pt. |
| **FINE** | 1.33 pts. | 0.67 pt. | 1.33-1.67* pts. | 0.67 pt. |
| Muck or Peat (soils with more than 20% organic matter) | DO NOT USE | | | |

*Use the higher rate of CHARGER BASIC if heavy weed infestations are expected.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Scepter labels.

**TANK MIXTURE WITH LOROX PLUS**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Lorox Plus alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Lorox Plus label for weeds controlled by Lorox Plus.

Apply CHARGER BASIC + Lorox Plus preemergence after planting, but before soybeans emerge, using rates in Table 13.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Lorox Plus labels including rotational restrictions.

**Table 13: CHARGER BASIC + Lorox Plus – Soybeans**

| | Broadcast Rates Per Acre | |
|---|---|---|
| | 0.5 - 3% Organic Matter | |
| **Soil Texture** | **CHARGER BASIC** | **Lorox Plus (60DF)** |
| **COARSE** | 0.8 pt. | 12-14 oz. |
| **MEDIUM** | 1.0 pt. | 14-16 oz. |
| **FINE** | 1.33 pts. | 16-18 oz. |

*Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 6.8.*

**TANK MIXTURE WITH GEMINI**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Gemini alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Gemini label for weeds controlled by Gemini.

Apply CHARGER BASIC + Gemini preemergence after planting, but before soybeans emerge, using rates in Table 14.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Gemini labels including rotational restrictions.

**Table 14: CHARGER BASIC + Gemini – Soybeans**

| | Broadcast Rates Per Acre | |
|---|---|---|
| | 0.5 - 3% Organic Matter | |
| **Soil Texture** | **CHARGER BASIC** | **Gemini (60DF)** |
| **COARSE** (Sandy loam only) | 0.8 pt. | 12-16 oz. |
| **MEDIUM** | 1.0 pt. | 16-20 oz. |
| **FINE** | 1.33 pts. | 20-24 oz. |

*Precaution: Do not apply to sand or loamy sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 7.0, except as noted on the Gemini label.*

**TANK MIXTURE WITH CANOPY**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Canopy alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Canopy label for weeds controlled by Canopy.

Apply preplant incorporated or preemergence, using the appropriate rates from Table 15. **Preplant Incorporated:** Apply within 2 weeks of planting. Uniformly incorporate into the top 1-2 inches of soil before planting soybeans. **Preemergence:** Apply after planting, but before soybeans emerge.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Canopy labels including varietal restrictions.

**Table 15: CHARGER BASIC + Canopy – Soybeans**

| | Broadcast Rates Per Acre | | |
|---|---|---|---|
| | **Less Than 3% Organic Matter** | **3% or More Organic Matter** | |
| **Soil Texture** | **CHARGER BASIC** | **CHARGER BASIC** | **Canopy** |
| **COARSE** | 0.8 pt. | 1.0 pt. | * |
| **MEDIUM** | 1.0 pt. | 1.33 pts. | * |
| **FINE** | 1.33 pts. | 1.33-1.67 pts. | * |

*Refer to the Canopy label for appropriate rate, according to geographical location, soil and organic matter classification, and pH limitations.

*Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 7.0, except as noted on the Canopy label.*

**TANK MIXTURE WITH PREVIEW**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Preview alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Preview label for weeds controlled by Preview.

Apply preplant incorporated or preemergence, using the appropriate rates from Table 16. **Preplant Incorporated:** Apply within 2 weeks of planting. Uniformly incorporate into the top 1-2 inches of soil before planting soybeans. **Preemergence:** Apply after planting, but before soybeans emerge.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Preview labels including varietal restrictions.

**Table 16: CHARGER BASIC + Preview – Soybeans**

| | Broadcast Rates Per Acre | | | |
|---|---|---|---|---|
| | 0.5% to Less Than 3% Organic Matter | | 3-5% Organic Matter | |
| **Soil Texture** | **CHARGER BASIC** | **Preview 75DF** | **CHARGER BASIC** | **Preview 75DF** |
| **COARSE** | 0.8 pt. | 6.0 oz. | 1.0 pt. | 7.0 oz. |
| **MEDIUM** | 1.0 pt. | 7.0 oz. | 1.33 pts. | 8.0 oz. |
| **FINE** | 1.33 pts. | 8.0 oz. | 1.33-1.67 pts. | 9.0-10 oz. |

*Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 6.8.*

**TANK MIXTURE WITH COMMAND**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Command alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Command label for weeds controlled by Command.

Apply CHARGER BASIC + Command preplant incorporated, using rates in Table 17. Follow all Command application instructions as to incorporation interval, geographical location, equipment operation, soil moisture conditions, etc.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Command labels including rotational restrictions.

**Table 17: CHARGER BASIC + Command – Soybeans**

| | Broadcast Rates Per Acre | | | |
|---|---|---|---|---|
| | CHARGER BASIC | | Command 4E | |
| **Soil Texture** | **0.5-3% Organic Matter** | **Greater Than 3% Organic Matter** | **Northern Area** | **Southern Area** |
| **COARSE** | 0.8 pt. | 1.0 pt. | 1.5-2.0 pts. | 2.0-2.5 pts. |
| **MEDIUM** | 1.0 pt. | 1.33 pts. | 1.5-2.0 pts. | 2.0-2.5 pts. |
| **FINE** | 1.33 pts. | 1.33-1.67 pts. | 1.5-2.0 pts. | 2.0-2.5 pts. |

**TANK MIXTURE WITH SONALAN**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Sonalan alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Sonalan label for weeds controlled by Sonalan.

Apply CHARGER BASIC and Sonalan preplant incorporated, using the appropriate rates from Table 18.

**Preplant Incorporated:** Follow recommended soil preparation procedures for Sonalan.

**Sequential:** Apply Sonalan alone preplant incorporated as specified on the Sonalan label. Follow with a preemergence application of CHARGER BASIC during planting (behind the planter) or after planting, but before weeds or soybeans emerge.

**Table 18: CHARGER BASIC + Sonalan – Soybeans**

| | Broadcast Rates Per Acre | | | |
|---|---|---|---|---|
| | Less Than 3% Organic Matter | | 3% or More Organic Matter | |
| **Soil Texture** | **CHARGER BASIC** | **Sonalan** | **CHARGER BASIC** | **Sonalan** |
| **COARSE** | 1.0-1.33 pts. | 1.25-2.0 pts. | 1.33 pts. | 1.25-2.0 pts. |
| **MEDIUM*** | 1.33-1.67 pts. | 1.75-2.5 pts. | 1.33-1.67 pts. | 1.75-2.5 pts. |
| **FINE*** | 1.33-1.67 pts. | 2.25-3.0 pts. | 1.67-2.0 pts. | 2.25-3.0 pts. |
| Muck or Peat (soils with more than 20% organic matter) | DO NOT USE | | | |

*For eastern black nightshade on these soils, apply Sonalan at 3.0 pts./A on *medium*- and 3.5 pts./A on *fine-textured soils*, and follow with 2 incorporation passes.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Sonalan labels.

**TANK MIXTURE WITH PURSUIT**
This tank mixture controls all weeds controlled by CHARGER BASIC alone and by Pursuit alone. Refer to the **CHARGER BASIC Applied Alone** section for weeds controlled by CHARGER BASIC and to the Pursuit label for weeds controlled by Pursuit. Refer to the Pursuit label for geographical locations where this tank mixture may be applied.

Apply CHARGER BASIC + Pursuit early preplant, preplant incorporated, or preemergence after planting, using rates in Table 19. Application can be made in water or liquid fertilizer. Follow all use directions under Soil Applications on the Pursuit label. For early preplant and preplant incorporated applications, apply within 30 days before planting.

**Note:** Follow the most restrictive limitations and precautions on the **CHARGER BASIC – Soybeans Alone** section of the CHARGER BASIC label and the Soybean directions on the Pursuit labels including rotational restrictions.

**Table 19: CHARGER BASIC + Pursuit – Soybeans**

| | Broadcast Rates Per Acre | | |
|---|---|---|---|
| | **Less Than 3% Organic Matter** | **3% or More Organic Matter** | **Less Than 3% - 3% or More Organic Matter** |
| **Soil Texture** | **CHARGER BASIC** | **CHARGER BASIC** | **Pursuit** |
| **COARSE** | 0.8 pt. | 1.0 pt. | 0.25 pt. |
| **MEDIUM** | 1.0 pt. | 1.33 pts. | 0.25 pt. |
| **FINE** | 1.33 pts. | 1.33-1.67 pts. | 0.25 pt. |

**Sequential:** Apply CHARGER BASIC early preplant, preplant incorporated, or preemergence after planting at 0.8 pt./A on *coarse soils* and 1.0 pt./A on *medium*- and *fine-textured soils*. Follow with a sequential postemergence application of Pursuit to control emerged weeds according to the Pursuit label. CHARGER BASIC will improve the consistency and level of control from Pursuit on most grass species. Refer to the Pursuit postemergence label for a listing of weeds controlled, application rate, and growth stage limitations.

**TANK MIXTURE WITH LEXONE, SENCOR, SCEPTER, LOROX, LOROX PLUS, GEMINI, CANOPY, PREVIEW, OR PURSUIT, PLUS GRAMOXONE MAX OR ROUNDUP FOR MINIMUM-TILLAGE OR NO-TILLAGE SYSTEMS**
In minimum-tillage or no-tillage systems where soybeans are planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides Gramoxone MAX or Roundup may be added to a tank mix of either CHARGER BASIC + Sencor or Lexone, CHARGER BASIC + Scepter, CHARGER BASIC + Lorox, CHARGER BASIC + Lorox Plus, CHARGER BASIC + Gemini, CHARGER BASIC + Canopy, CHARGER BASIC + Preview, or CHARGER BASIC + Pursuit. When used as directed, the Gramoxone MAX portion of the tank mixture

controls most emerged weeds and suppresses many perennial weeds. Roundup combinations will control emerged annual and perennial weeds when applied as directed on the Roundup label. The CHARGER BASIC + Sencor/Lexone, Scepter, Lorox, Lorox Plus, Gemini, Canopy, Preview, or Pursuit portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for CHARGER BASIC + Sencor/Lexone, CHARGER BASIC + Scepter, CHARGER BASIC + Lorox, CHARGER BASIC + Lorox Plus, CHARGER BASIC + Gemini, CHARGER BASIC + Canopy, CHARGER BASIC + Preview, and CHARGER BASIC + Pursuit, respectively.

Refer to the label of each product used in combination and observe the planting details, soybean variety restrictions, information regarding application to soybeans, geographical restrictions, and all other precautions and limitations.

Refer below for rates of Gramoxone MAX or Roundup, CHARGER BASIC + Sencor/Lexone, CHARGER BASIC + Scepter, CHARGER BASIC + Lorox, CHARGER BASIC + Lorox Plus, CHARGER BASIC + Gemini, CHARGER BASIC + Canopy, CHARGER BASIC + Preview, and CHARGER BASIC + Pursuit, respectively.

**Application:** Apply before, during, or after planting, but before the soybeans emerge, at the rates specified below. Add Gramoxone MAX or Roundup at the following broadcast rates:

**Gramoxone MAX:** 1.5-2.0, 2.0-2.5, or 2.5-3.0 pts./A to 1-3, 3-6, or 6-inch tall weeds, respectively. Apply surfactant at 1.0 or 2.0 pts./100 gals. of spray mixture with 75% or greater or 50-74% nonionic active ingredient, respectively. This treatment will not control weeds taller than 6 inches.

**Note:** Do not apply combinations containing Gramoxone MAX in suspension-type liquid fertilizers, as the activity of paraquat will be reduced.

**Roundup:** See the Roundup or Roundup RT label for weeds controlled, recommended rates, and other use directions.

Apply in 20-60 gals. of water or fluid fertilizer per acre with ground equipment.

**CHARGER BASIC + Lexone/Sencor + Gramoxone MAX or Roundup**
On loamy sand with over 2% organic matter, apply 1.0 pt./A of CHARGER BASIC + 0.33-0.5 lb./A of Sencor or Lexone DF. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC + 0.5-0.67 lb./A of Sencor or Lexone DF. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC + 0.67 lb./A of Sencor or Lexone DF.

*When using Sencor 4 or Lexone 4L, multiply lbs. of DF by 1.5 to get pts./A.

*Precautions: To avoid crop injury, (1) Do not use this tank mixture on soil with less than 0.5% organic matter, on alkaline soil with a pH over 7.4, or on all sand and on loamy sand with less than 2% organic matter. (2) If heavy rain occurs soon after application, crop injury may result, especially in poorly drained areas where water stands for several days, or where the seeding slit has not been properly closed.*

**CHARGER BASIC + Scepter + Gramoxone MAX or Roundup**
On *coarse soils*, apply 1.0 pt./A of CHARGER BASIC + 0.67 pt./A of Scepter. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC + 0.67 pt./A of Scepter. On *fine soils*, apply 1.67 pts./A of CHARGER BASIC + 0.67 pt./A of Scepter.

**Notes:** (1) Do not apply within 90 days of harvest, and (2) Do not graze or feed treated soybean forage, hay, or straw to livestock, or illegal residues may result.

**CHARGER BASIC + Lorox + Gramoxone MAX or Roundup**
On *coarse soils**, apply 1.0 pt./A of CHARGER BASIC + 1.0-1.5 lbs./A of Lorox DF**. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC + 1.0-2.0 lbs./A of Lorox DF. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC + 2.0-3.0 lbs./A of Lorox DF.
*Do not use on loamy sand, except in the northeastern U.S. on loamy sand with over 1% organic matter, or injury may occur. Do not use on sand, gravelly soils, or exposed subsoils, or injury may occur.
**When using Lorox L or Lorox DF, use equivalent rates. One pt. of Lorox L equals 1.0 lb. of Lorox DF.

*Precaution: Do not use on soil with less than 0.5% organic matter, or crop injury may occur.*

**CHARGER BASIC + Lorox Plus + Gramoxone MAX or Roundup**
Use only where soils have 0.5-3% organic matter. On *coarse soils*, apply 1.0 pt./A of CHARGER BASIC + 12-14 oz./A of Lorox Plus 60DF. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC + 14-16 oz./A of Lorox Plus. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC + 16-18 oz./A of Lorox Plus.

*Precaution: Do not apply to sand or to any soil with pH greater than 6.8.*

**CHARGER BASIC + Gemini + Gramoxone MAX or Roundup**
Use only where soils have 0.5-3% organic matter. On *coarse soils* (sandy loam only), apply 1.0 pt./A of CHARGER BASIC + 12-16 oz./A of Gemini 60DF. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC + 16-20 oz./A of Gemini. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC + 20-24 oz./A of Gemini.

*Precaution: Do not apply to sand or loamy sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 7.0, except as noted on the Gemini label.*

**CHARGER BASIC + Canopy + Gramoxone MAX or Roundup**
Use only where soils have 0.5-5% organic matter. On *coarse soils* (except sand), apply 1.0 pt./A of CHARGER BASIC, on *medium soils*, apply 1.33 pts./A of CHARGER BASIC, and on *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC. Refer to the Canopy label for appropriate rate, according to geographical location, soil and organic matter classification, pH limitations, and all other use directions.

*Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 7.0, except as noted on the Canopy label.*

**CHARGER BASIC + Preview + Gramoxone MAX or Roundup**
Use only where soils have 0.5-5% organic matter. On *coarse soils* (except sand), apply 1.0 pt./A of CHARGER BASIC + 6.0*-7.0 oz./A of Preview 75DF. On *medium soils***,** apply 1.33 pts./A of CHARGER BASIC + 7.0*-8.0 oz./A of Preview. On *fine soils*, apply 1.33-1.67 pts./A of CHARGER BASIC + 8.0* to 9.0-10 oz./A of Preview.

*Use this rate where the soil organic matter is in the 0.5 to less than 3% range.

*Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 6.8.*

**CHARGER BASIC + Pursuit + Gramoxone MAX or Roundup**
On *coarse soils*, apply 1.0 pt./A of CHARGER BASIC + 0.25 pt./A of Pursuit. On *medium soils*, apply 1.33 pts./A of CHARGER BASIC + 0.25 pt./A of Pursuit. On *fine soils*, apply 1.67 pts./A of CHARGER BASIC + 0.25 pt./A of Pursuit.

**POSTEMERGENCE USE ON SOYBEANS – CHARGER BASIC TANK MIXTURES**
**Tank Mixture with Glyphosate Products**
CHARGER BASIC at 1.0-1.33 pts./A may be tank mixed with glyphosate products at labeled rates and applied from emergence up through the third trifoliate leaf stage of Roundup Ready or glyphosate-tolerant soybeans. CHARGER BASIC alone will not control emerged weeds. Use this treatment only on soybeans designated for use with glyphosate (e.g., Roundup Ready or glyphosate-tolerant soybeans). The glyphosate product must be registered for postemergence use in Roundup Ready or glyphosate-tolerant soybeans.

**Tank Mixture with Pursuit**
CHARGER BASIC at 1.0-1.33 pts./A may be tank mixed with Pursuit at labeled rates and applied from emergence up through the third trifoliate leaf stage of soybeans. CHARGER BASIC alone will not control emerged weeds.

**Tank Mixture with Glufosinate Ammonium (Liberty) Products**
CHARGER BASIC at 1.0-1.33 pts./A may be tank mixed with glufosinate products at labeled rates and applied from emergence up through the third trifoliage leaf stage of soybeans. CHARGER BASIC alone will not control emerged weeds. Use this treatment only on soybeans designated for use with glufosinate (e.g., Liberty Link).

Note: Follow the tank mix product label for adjuvant recommendations. The use of COC or UAN with CHARGER BASIC may result in temporary crop injury. To avoid possible illegal residues when CHARGER BASIC is applied postemergence to soybeans: (1) Do not apply more than 1.33 pts./A postemergence. (2) Make postemergence applications at least 90 days before harvest. (3) Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application of CHARGER BASIC.

**SUGAR BEETS – CHARGER BASIC ALONE**
**Postemergence Applications**
CHARGER BASIC may be applied postemergence to sugar beets after the sugar beets have reached the first true leaf stage. However, because CHARGER BASIC is primarily a soil-active herbicide, it must be applied prior to weed emergence in order to provide consistent control of listed weeds. As such, weeds that are emerged with or before the crop, or that are present at the time CHARGER BASIC is applied, must be controlled with another appropriately labeled herbicide. Apply CHARGER BASIC at 1 pt./A on coarse soils, 1.33 pts./A on medium soils, and 1.67 pts./A on fine soils. More than one postemergence application may be applied, but the total should not exceed 2.6 pts./A. Weeds present at the time of application will not be controlled.

**Note:** To avoid possible illegal residues: (1) Do not apply more than 2.67 pts./A postemergence. (2) Do not harvest within 60 days after the last application.

*Precaution: In coarse soils, CHARGER BASIC applied before emergence of sugar beets (i.e., other than postemergence) may cause injury.*

**SUGAR BEETS – CHARGER BASIC TANK MIX COMBINATIONS**
CHARGER BASIC may be tank mixed with Assure® II, Betamix®, Betanex®, Poast®, Progress®, Section, Select®, Stinger™, or Upbeet® and applied to sugar beets. Tank mixtures of these products with CHARGER BASIC will increase the risk of crop injury over that of either product applied alone, as the CHARGER BASIC formulation has some adjuvant properties. The addition of a spray adjuvant such as crop oil concentrates (COC's) or methylated seed oils (MSO's) can further increase the risk of crop injury. Injury risk can be reduce by using the lowest effective rate of the tank mix partner(s) and/or adjuvant and by avoiding applications under adverse growing conditions or high soil or air humidity. Refer to the individual product labels and follow all use restrictions and limitations.

**SUNFLOWERS – CHARGER BASIC ALONE**
**Preplant Incorporated or Preemergence**
Within the rate ranges given below. Use the higher rate of CHARGER BASIC if heavy weed infestations are expected. On coarse soils with organic matter of less than 3%, apply 1.0-1.33 pts./A of CHARGER BASIC; 1.33 pts./A if organic matter is 3% or greater. On medium soils, apply 1.33-1.67 pts./A of CHARGER BASIC. On fine soils with organic matter of less than 3%, apply 1.33-1.67 pts./A of CHARGER BASIC; 1.67-2.0 pts./A if organic matter content is 3% or greater.

**Note**: To avoid possible illegal residues: (1) Do not allow livestock to graze or feed in treated area. (2) Do not exceed the maximum label rates given above for sunflowers for the soil type.

**TOMATOES – CHARGER BASIC ALONE**
**Transplanted**
CHARGER BASIC may be applied preplant incorporated or preplant before transplanting. If the latter method is used, keep soil disturbance to a minimum during the transplanting operation. Application may also be made post-directed to transplants after the first settling rain or irrigation. When an application is made post-directed, apply in a minimum of 20 gallons of water per acre and minimize contact with tomato plants. CHARGER BASIC will not control emerged weeds. In bedded transplanted tomatoes, apply CHARGER BASIC preplant non-incorporated to the top of the pressed bed, as the last step, prior to laying plastic. CHARGER BASIC may also be used to treat row-middles in bedded tomatoes, as long as the total amount of CHARGER BASIC does not exceed the maximum allowed per crop.

**Seeded**
CHARGER BASIC may be applied post-directed to direct seeded tomatoes. Tomato plants must be at least 4 inches tall at the time of application and the product must be applied in a minimum of 20 gallons of water per acre. Minimize spray contact with tomato plants. CHARGER BASIC will not control emerged weeds.

**Tomato Use Rates:** On coarse soils, apply 1.0-1.33 pts./A of CHARGER BASIC if organic matter content is less than 3% or 1.33 pts./A if organic matter is 3% or greater. On medium soils, apply 1.33-1.67 pts./A of CHARGER BASIC. On fine soils, apply 1.33-1.67 pts./A of CHARGER BASIC if organic matter content is less than 3% or 1.67-2.0 pts./A if organic matter content is 3% or greater.

*Precautions: (1) Do not apply to varieties or cultivars with unknown tolerance to CHARGER BASIC. (2) CHARGER BASIC may damage transplants that have been weakened by any cause. To prevent damage, plant only healthy transplants. Do not plant when wet, cool, or unfavorable growing conditions exist. (3) In transplanted tomatoes, if CHARGER BASIC is applied preplant incorporated, incorporate to a depth less than the depth of transplanting, and use the lower end of the rate range for the given soil type, or damage may occur. (4) For row middle applications*

*where tomatoes are grown on sandy soils and where high soil moisture conditions can exist (i.e. low binding and high evaporation conditions), as may be found in the States of Florida, Georgia, Maryland, and Virginia, there is potential for crop injury in the form of leaf epinasty. The risk of this type of injury can be reduced by: a) incorporating the CHARGER BASIC immediately following application, b) applying the CHARGER BASIC seven or more days before transplanting (but only after the beds have been formed), c) minimizing the application of CHARGER BASIC onto the plastic of the bed, or d) any combination of the above.*

**Note:** To avoid possible illegal residues: (1) Do not apply CHARGER BASIC within 90 days of tomato harvest. (2) Do not exceed the maximum label rate for the soil texture per year. (3) Apply only by ground application.

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