

352-625

7/14/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Rebecca M. Ashley  
E.I. du Pont de Nemours & Co., Inc  
Stine-Haskell Research Center  
P.O. Box 30  
Newark, DE 19714-0030

JUL 14 2010

Dear Ms. Ashley:

Subject: Label Revisions  
DuPont Cinch ATZ Lite  
EPA Registration No. 352-623  
DuPont Cinch herbicide  
EPA Registration No. 352-625 ✓  
Your Submissions Dated April 20, 2010

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you submit one (1) copy of your final printed labeling before you release the product for shipment.

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

If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391.

Sincerely yours,

Kathryn V. Montague  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

Enclosure



# DuPont™ Cinch®

## herbicide

For weed control in corn, cotton, peanuts, pod crops, potatoes, safflowers, grain or forage sorghum and soybeans

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

**JUL 14 2010**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

352-625

### Active Ingredients

S-metolachlor (CAS No. 87392-12-9) ..... 82.4%

**Other Ingredients** ..... 17.6%

**TOTAL** ..... 100.0%

CINCH® contains 7.64 lbs. of active ingredient per gallon.

EPA Reg. No. 352-625      EPA Est. No. \_\_\_\_\_

### Nonrefillable Container

Net: \_\_\_\_\_

OR

### Refillable Container

Net: \_\_\_\_\_

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION!** Causes eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. This product may cause skin sensitization reactions in some people.

### 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 exist, 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.

## 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. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

**IF SWALLOWED:** Call a Poison Control Center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. 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 1-800-441-3637 for medical emergencies involving this product.

### 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 DuPont™ CINCH® 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 CINCH® 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 drained 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

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 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.**

### PRODUCT 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.

DuPont™ CINCH® is a selective herbicide registered for use 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, peanuts, pod crops, potatoes, safflowers, grain or forage sorghum, and soybeans.

**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:

1. 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.
2. Do not apply to impervious substrates, such as paved or highly compacted surfaces.
3. 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 CINCH® tank mixture with "AAtrex" formulations, other brands of atrazine may be used. Follow the rates, directions, 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 CINCH® is incorporated, any supplemental tillage before planting must not exceed the depth of incorporation.

Dry weather following an application of CINCH® 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.

Do not apply metolachlor containing products such as "Inter 8E II" herbicide or "Inter Plus II" herbicide in mixture or as sequential applications with CINCH®.

*Precaution: Injury may occur to crops other than corn following the use of CINCH® under abnormally high soil moisture conditions during early development of the crop.*

### 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:

<b>COARSE</b>	Sand, loamy sand, sandy loam
<b>MEDIUM</b>	Loam, silt loam, silt
<b>FINE</b>	Sandy clay loam, silty clay loam, clay loam, sandy clay, 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:** CINCH® 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 directions, 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.

### CINCH® APPLIED ALONE

#### Weeds Controlled

barnyardgrass (watergrass)	pigweed
bristly foxtail	prairie cupgrass
carpetweed	red rice
common waterhemp	robust foxtails (purple, white)
crabgrass	signalgrass ( <i>Brachiaria</i> )
crowfootgrass	southwestern cupgrass
Eastern black nightshade	tall waterhemp
fall panicum	wild proso millet*
Florida pusley	witchgrass
foxtail millet	woolly cupgrass*
galinsoga	yellow foxtail
giant foxtail	yellow nutsedge
goosegrass	
green 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:

1. In **corn**, use 2.0-2.5 pts./A or the preplant surface-applied rates for CINCH® alone or in tank mixture, if allowed, when making preplant incorporated or preemergence applications.
2. **Thoroughly till moist soil** to destroy germinating and emerged weeds. If CINCH® is to be applied preplant incorporated, this tillage may be used to incorporate CINCH® if uniform 2-inch incorporation is achieved as directed under **Application Procedures**.
3. Plant crop into moist soil **immediately after tillage**. If CINCH® is to be used preemergence, apply at planting or immediately after planting.

- 4. If available, **sprinkler irrigate** within 2 days after application. Apply 1/2-1 inch of water. Use lower water volume (1/2 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 DuPont™ CINCH®.
  - 5. 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.

**CINCH® Alone:** (1) If crop treated with CINCH® alone is lost, any crop on this label may be replanted immediately. Do not make a second broadcast application of CINCH®. 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 1/2 months following treatment; alfalfa may be planted 4 months following application. Tomatoes may be planted 6 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, peppers, stone fruits, or tree nuts, may be planted in the spring.

**CINCH® Tank Mixtures:** For **Rotational Crops** restrictions for CINCH® used in tank mixtures, refer to the statements/restrictions above for CINCH® 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 CINCH®) preemergence (including preplant surface, preplant incorporated, postplant incorporated, etc.), and (2) Do not make lay-by or other postemergent applications of CINCH®.

### APPLICATION PROCEDURES

#### APPLICATION TIMING

CINCH® 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, CINCH® alone and some CINCH® 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 specified 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" Extra, "Touchdown" or "Roundup UltraMax"). 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 CINCH® 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 CINCH® after bed formation, unless specified otherwise.

**Preemergence:** Apply CINCH® during planting (behind the planter) or after planting, but before weeds or crops emerge.

**Postemergence:** CINCH® may be applied postemergence to corn, up to 40 inches tall. CINCH® 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 CINCH® 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 CINCH® treated zone is used (i.e., untreated soil should not be brought to soil surface). If the application is made to preformed beds, incorporate CINCH® with a tillage implement set to till 2-4 inches deep. Care should be taken during tilling to keep the tilled (CINCH®-treated) soil on the beds. **Preemergence:** Apply CINCH® 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 DuPont™ CINCH® 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 CINCH® 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:

<u>band width in inches</u>		broadcast		amount needed
row width in inches	X	rate	=	per acre of
		per acre		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 Fertilizer** 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 “Ag-Chem RoGator”, Hagie, John Deere “Hi-Cycle”, Melroe Spra-Coupe, “Tyler Patriot”, 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 CINCH® in water alone or in tank mixtures with “AAtrex”, “Lorox”, or “Sencor” in a minimum total volume of 2.0 gals./A by aircraft. CINCH® may also be applied by air in combination with “Balan”, “Prowl”, or “Treflan”. See specific tank mixture sections for directions. 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 CINCH® alone or CINCH® + “AAtrex” by aircraft at a minimum upwind distance of 400 ft. from sensitive plants, or apply CINCH® + “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.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. 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 up 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

DuPont™ CINCH® 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 specified on this label. CINCH® 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

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.

- 6. 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.
- 7. Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8. 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.
- 9. Meter into irrigation water during entire period of water application.
- 10. Apply in 1/2-1 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 DuPont™ CINCH® alone or selected CINCH® tank mixtures which are registered for preplant incorporated or preplant surface application which are used to control weeds in crops on the CINCH® label and are not prohibited from use on dry bulk granular fertilizers.

When applying CINCH® or CINCH® 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 CINCH® and CINCH® 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 "Celatom MP-79", 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 CINCH®, "AAtrex", "AAtrex" + "Princep", "Balance", "Princep", "Sencor", or "Sonalan" by the following formula:

$$\frac{2,000 \text{ lbs. of fertilizer per acre}}{\text{pts./A of liquid or flowable product}} \times \text{pts. of liquid or flowable product per ton of fertilizer} = \text{pts. of liquid or flowable product per ton of fertilizer}$$

$$\frac{2,000 \text{ lbs. of fertilizer per acre}}{\text{lbs./A of dry product}} \times \text{lbs. of dry product} = \text{lbs. of dry product per ton of fertilizer}$$

**Pneumatic (Compressed Air) Application (CINCH® 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 CINCH® with Exxon Aromatic 200 at a rate of 1.0-4.0 pts./gal. of CINCH®. 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 CINCH® 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 CINCH® 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 DuPont™ CINCH® or CINCH® mixtures on ammonium nitrate, potassium nitrate, or sodium nitrate, either alone or in blends with other fertilizers. (2) Do not use CINCH® or CINCH® 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				
Soil Texture	Preplant Surface-Applied		Preplant Incorporated	
	Preemergence		Early Preplant	
	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.

Rates in Pints Per Acre		
Fall Applications		
Factors		
Soil Texture	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 PROCEDURES

**DuPont™ CINCH® Alone:** Mix CINCH® with water or fluid fertilizer and apply as a spray. Fill the spray tank 1/2-3/4 full with water or fluid fertilizer, add the proper amount of CINCH®, 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 1/4 full with water, and start agitation; add 2,4-D, "AAtrex", "Balan", "Balance", "Banvel", "Basagran", DuPont™ CANOPY XL®, "Caparol" 4L, "Command", "Cotoran", "Eptam", "Liberty" herbicide, "Liberty" ATZ herbicide, "Lorox", "Marksman", "Princep", "Prowl", "Pursuit", "AAtrex" + "Princep", "Sceptor", "Sencor", "Sonalan", or "Treflan", and allow it to become dispersed; then add CINCH®; then add "Gramoxone" Extra, "Landmaster" BW, "Touchdown" or "Roundup UltraMax" (or other glyphosate products) if these products are being used; and finally the rest of the water. For tank mixtures with "AAtrex", "Balance", "Banvel", CANOPY XL®, "Caparol" 4L, "Command", "Cotoran"\*, "Eptam", "Lorox", "Marksman", "Princep", "Prowl"\*, "Pursuit", "AAtrex" + "Princep", "Sceptor", "Sencor", "Sonalan", or "Treflan", fluid fertilizers may replace all or part of the water as carrier, except in the "AAtrex" postemergence and the "Banvel" postemergence tank mixes. 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" + "Prowl" 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 CINCH® 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**

1. 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.
2. To one of the jars, add 1/4 tsp. or 1.2 milliliters of a compatibility agent approved for this use, such as "Compex" or "Unite" (1/4 tsp. is equivalent to 2.0 pts./100 gals. spray). Shake or stir gently to mix.
3. To both jars, add the appropriate amount of pesticide(s) in their relative proportions based on specified 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.
4. 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 1/2 the compatibility agent to the fertilizer or water and the other 1/2 to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.
5. 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) – DUPONT™ CINCH® ALONE**

Apply CINCH®, either preplant surface, preplant incorporated, preemergence, postemergence, or lay-by, using the appropriate rate specified below.

**Note:** For all applications to corn, do not graze or feed forage from treated areas for 30 days following application, or possible illegal residues may result.

**PREPLANT SURFACE-APPLIED**

Refer to instructions for use of CINCH® alone under **Application Procedures**.

**Fall Application:**

1. Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
2. Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.

3. 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.

**Spring Application:**

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 specified rate of CINCH® (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 before planting.

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., CINCH®, CINCH® ATZ, CINCH® ATZ LITE, DuPont™ ACCENT®, BASIS®, BASIS GOLD®, ACCENT GOLD®, or STEADFAST®. 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 CINCH® alone under **Application Procedures**. On coarse soils, apply 1.0-1.33 pts./A of CINCH® 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 CINCH®. On fine soils, apply 1.33-1.67 pts./A of CINCH® 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 CINCH® 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 CINCH®.

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 DuPont™ CINCH® rate applied on corn during any one crop year should not exceed 3.9 pts./A, depending on soil texture.

**PLANNED 2-PASS GRASS WEED CONTROL PROGRAMS**

When used as a part of a 2-pass, preemergence followed by postemergence grass weed control program, CINCH® rates may be reduced to as low as 0.67 pt/ac when followed with applications of full labeled rates of postemergence grass herbicides such as DuPont™ ACCENT®, ACCENT GOLD®, BASIS®, BASIS GOLD®, or STEADFAST®. Planned 2-pass weed control programs are the preferred method for managing difficult to control weeds such as woolly cupgrass and wild proso millet. Consult the postemergence grass herbicide label for weeds controlled, use directions, precautions, and limitations.

**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 2.0-2.5 pts./A as a single application; or apply 1.0-1.33 pts./A of CINCH® preplant incorporated followed by 1.0-1.33 pts./A of CINCH® preemergence; however, do not apply more than a total of 2.5 pts./A. Make the preemergence application during or after planting, but before weeds and corn emerge. Apply the 1.33 pts./A rate of CINCH® 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, see "PLANNED 2-PASS GRASS WEED CONTROL PROGRAMS" (above).

**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, CINCH® may be used up to 2.5 pts./A as either a preplant surface, preplant incorporated, or preemergence treatment on soils having an organic matter content between 6% and 20% or up to 2.0 pts./A on any soil for extended residual control and where severe stands of problem weeds are expected. (3) In the event of escape of annual weeds following a preplant surface, preplant incorporated, or preemergence treatment of CINCH®, follow with a postemergence application of an appropriately labeled broadleaf and/or grass weed herbicide, i.e., ACCENT®, ACCENT GOLD®, BASIS®, BASIS GOLD®, or STEADFAST®. If the postemergence treatment includes the herbicide used in the earlier treatment, i.e., "atrazine", do not exceed the total labeled rate for corn on a given soil texture. (4) Do not use CINCH® on peat or muck soils.

**CORN – CINCH® COMBINATIONS**

Rates listed for tank mix partners are for the specific products noted in this label. If other brands or formulations are used, rates of active ingredients should be adjusted to correspond to

the products indicated.

Formulations of products other than those listed may not have been tested with CINCH®. Check with the manufacturer for information on tank mix compatibility prior to using (See **MIXING PROCEDURES - Compatibility Test**).

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

Refer to "CORN (ALL TYPES) - CINCH ALONE" for Cinch rate, use restriction, and weed control information when using this product in a tank mixture and/or as a part of a planned 2-pass weed control program

**IMPORTANT: FOR TANK MIXTURES WITH "AATREX" (OR OTHER BRANDS OF ATRAZINE) – IF APPLYING CINCH® 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 SPECIFIED ON THIS LABEL, BROADLEAF WEED CONTROL MAY BE AFFECTED. REFER TO THE "AATREX" LABEL FOR WEEDS CONTROLLED AT THE REDUCED RATES.**

**Comments for Chart 1**

- Special Mixing Instructions for CINCH® + "AAtrex" or "Princep" and "Prowl"**
  - (1) Fill the spray tank 1/4 full with water or fluid fertilizer and start agitation. (2) To aid compatibility, add a compatibility agent, such as "Unite" or "X-77", at 4.0 pts./100 gals. of spray mixture. (3) Then add the "AAtrex" or "Princep" and allow it to become dispersed. (4) Then add CINCH® and "Prowl" 4E. (5) Add the rest of the water.
- 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.
- Although directions specify "AAtrex" formulations in tank mixture with CINCH®, other brands of atrazine may be used. Follow the rates, directions, and limitations on the atrazine label.
- See additional mixing instructions on the "AAtrex" label.
- 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.*

**Chart 1: DuPont™ CINCH® Tank Mixtures for Corn - Additional Weeds Controlled and Special Instructions**

	CINCH® + "AAtrex" &/ or "Princep" (Preplant Surface, PPI, PRE)	CINCH® + "AAtrex" (Post)	CINCH® + "Banvel" (Field Corn)	CINCH® + "AAtrex" + "Lorox"	CINCH® + "AAtrex" or "Princep" + "Prowl"	CINCH® + "Balance"	CINCH® + "AAtrex" + "Balance"
Special Mixing Instructions					1		
Comments	2-7	2-4		2-5	2-5	2,3,6	2,3,5,6
Browntop panicum	X			X	X		X
Cocklebur	X	0	0	X	X		0-X
Common purslane	X			X	X	X	X
Hairy nightshade	X			X	X		X
Jimsonweed		X	0			X	X
Kochia		X				X	X
Lambs- quarter	X	X	X	X	X	X	X
Morning- glory	X	0	0	X	X		X
Mustard		X				X	X
Pigweed				X	X	X	X
Prickly sida		X					
Ragweed	X	X	X	X	X	X	X
Smartweed	X	X	X	X	X	X	X
Velvetleaf	X	X	0	X	X	0-X	0-X

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

- In Minimum-Tillage and No-Tillage systems, mix with "Gramoxone" Extra 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 "Touchdown" or "Roundup UltraMax" for control of most emerged annual and perennial weeds.
- Refer to the **Corn – CINCH® Combinations – Tank Mixture with "AAtrex"; or "AAtrex" + 2,4-D; or "AAtrex" + "Balance"; or "AAtrex" + 2,4-D + "Banvel" for Minimum-Tillage or No-Tillage Systems** sections for specific directions for 2,4-D or "Banvel" burndown combinations in Minimum-Tillage and No-Tillage systems.

**Notes:** (1) For all applications to corn, do not graze or feed forage from treated areas for 30 days following application, or possible illegal residues may result. (2) When applying CINCH® 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) - DuPont™ CINCH® Alone, Note 3 for recommended sequential postemergence treatments if escape weeds develop. (4) In corn, CINCH® may be used up to 2.0 pts./A in combinations on any soil for extended residual control and where severe stands of problem weeds are expected.

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

In addition to the weeds controlled by CINCH® alone, CINCH® + "AAtrex" or "Princep", or CINCH® + "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 CINCH® + "AAtrex" or "Princep", or CINCH® + "AAtrex" + "Princep" either preplant surface, preplant incorporated, or preemergence.

**Preplant Surface-Applied:** Follow instructions for use of CINCH® alone under **Application Procedures** and under application instructions for CINCH® alone on corn. Apply CINCH® + "AAtrex" or "Princep", or CINCH® + "AAtrex" + "Princep" on medium soils (1.67 pts./A of CINCH® + 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 CINCH® + 4.0pts./A of "AAtrex" 4L or 4.0-5.0 pts./A "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 **CINCH® Alone – Preplant Surface-Applied** section of the label for corn. On coarse

soils, apply 1.33 pts./A of DuPont™ CINCH® and 3.2 pts./A of "AAtrex" 4L or "Princep" 4L, or "AAtrex" 4L + "Princep" 4L combined.

**Preplant Incorporated or Preemergence:** Follow instructions for use of CINCH® alone under **Application Procedures**. Apply CINCH® + "AAtrex" or "Princep", or CINCH® + "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.

**TANK MIXTURE WITH "AATREX" -- POSTEMERGENCE**

**Weeds Controlled:**

barnyardgrass (watergrass)	lambsquarters
crabgrass	mustard
crowfootgrass	pigweed
fall panicum	prickly sida
giant foxtail	purslane
green foxtail	ragweed
yellow foxtail	smartweed
jimsonweed	velvetleaf
kochia	

**Weeds Partially Controlled:**

cocklebur	yellow nutsedge
morningglory	

Apply 1.0 pt./A of CINCH® + 1.3 lbs./A of "AAtrex" "Nine-O"\* on coarse soils, 1.33 pts./A of CINCH® + 1.8 lbs./A of "AAtrex" "Nine-O" on medium soils, or 1.33-1.67 pts./A of CINCH® + 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 CINCH®.

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

**Note:** The total CINCH® 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 MIXTURES FOR POSTEMERGENCE WEED CONTROL IN CORN**

For postemergence control of weeds in specific types of field corn, combined with residual preemergence control, the following combinations of CINCH® may be used.

**Notes:** (1) Follow all label directions, instructions, precautions, and limitations for each product used. (2) Do not use liquid fertilizer with these mixtures or corn injury may occur. (3) For each tank mixture, apply only to the specific field corn type specified on that product label.

**CINCH® + POST GRASS HERBICIDES**

**A. For Additional Control of Crabgrass and Later Emerging Grasses in Field Corn Only**

Postemergence grass herbicides such as DuPont™ ACCENT®, ACCENT GOLD®, BASIS®, BASIS GOLD®, and STEADFAST® may be tank mixed with full or reduced rates of CINCH® for increased residual activity on later-emerging grasses such as smooth and large crabgrass. Postemergence grass herbicides may be applied in tank mix combination with CINCH® provided (1) the timing and method of application is the same as specified for CINCH®; and (2) tank mixing CINCH® is not prohibited by the label of the postemergence grass herbicide product; and (3) the tank mix combination is compatible as determined by a "jar test" described in the "MIXING INSTRUCTIONS - Compatibility Test" section of this label.

When tank mixing, do not exceed specified application rates and use only in accordance with the most restrictive precautions and limitations on the respective product labels. Application must be made before the crabgrass emerges and before other grass weeds on the postemergence grass herbicide label exceed their labeled sizes.

Tank mixes of CINCH® and postemergence grass herbicides may be broadcast applied postemergence to field corn before the crop exceeds the maximum heights listed on the CINCH® and postemergence grass herbicide labels.

CINCH® relies on activation from either rainfall or overhead sprinkler irrigation to move the herbicide into the grass weed germination zone and provide control. The amount of precipitation or irrigation required is dependent upon existing soil moisture, soil type and organic matter content. Normally, 1/2-3/4 inch is sufficient. If activating moisture is not received, cultivation may be required to control later emerging flushes of weeds.

Consult the postemergence grass herbicide label for weeds controlled, use directions, adjuvant recommendations, precautions, and limitations.

**Table 1: DuPont™ CINCH® + “AAtrex” or “Princep”, or CINCH® + “AAtrex” + “Princep”, Preplant Incorporated or Preemergence – Corn (All Types)**

Soil Texture	Broadcast Rates Per Acre			
	Less than 3% Organic Matter		3% Organic Matter or Greater	
	CINCH® + “AAtrex” “Nine-O”** OR “Princep Caliber 90”**	CINCH® + “AAtrex” “Nine-O”** OR “Princep Caliber 90”**	CINCH® + “AAtrex” “Nine-O”** OR “Princep Caliber 90”**	CINCH® + “AAtrex” “Nine-O”** OR “Princep Caliber 90”**
<b>COARSE</b>	0.8-1.0 pt.	0.8-1.0 pt.	1.0 pt.	1.0 pt.
	+ 1.1-2.2 lbs.	+ 0.6-1.1 lbs.	+ 1.3-2.2 lbs.	+ 0.7-1.1 lbs.
<b>MEDIUM</b>	1.0-1.33 pts.	1.0-1.33 pts.	1.33 pts.	1.33 pts.
	+ 1.3-2.2 lbs.	+ 0.7-1.1 lbs.	+ 1.8-2.2 lbs.	+ 0.9-1.1 lbs.
<b>FINE</b>	1.33 pts.	1.33 pts.	1.33-1.67 pts.	1.33-1.67 pts.
	+ 1.8-2.2 lbs.	+ 0.9-1.1 lbs.	+ 1.8-2.2 lbs.***	+ 0.9-1.1 lbs.***
Muck or Peat (soils with more than 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, CINCH® 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 CINCH® + “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 CINCH®.

**B. CINCH® + “Liberty” or “Liberty” ATZ herbicide: Postemergence use in “LibertyLink” Corn or Corn Warranted by Aventis CropScience as being tolerant to “Liberty” herbicide**

The tank mixture of CINCH® + “Liberty” or “Liberty” ATZ herbicide can be applied postemergence to weeds and corn from seed designated as “LibertyLink” or corn warranted by Aventis CropScience as being tolerant to “Liberty” or “Liberty” ATZ herbicide. “Liberty” or “Liberty” ATZ provides postemergence control of a broad spectrum of grass and broadleaf weeds and the CINCH® provides residual control of grasses and broadleaf weeds listed in the label section **CINCH® Applied Alone – Corn – Weeds Controlled**. For the proper rate of CINCH® applied postemergence with “Liberty” or “Liberty” ATZ, refer to the label section **Corn - CINCH® Alone - Preplant Incorporated or Preemergence** and use the minimum rate per soil texture for season-long control. Refer to the “Liberty” or “Liberty” ATZ label for the “Liberty” or “Liberty” ATZ 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” or “Liberty” ATZ rate specified to control the species and growth stages present.

Follow all applicable use directions, limitations, precautions, and information regarding application to corn on the CINCH® and “Liberty” or “Liberty” ATZ herbicide labels. Do not apply “Liberty” ATZ tank mixtures to corn exceeding 12 inches tall.

**C. CINCH® + “Touchdown” or “Roundup UltraMax” for Postemergence Application to Corn with the “Roundup Ready” Gene**

The tank mixture of CINCH® + “Touchdown” or “Roundup UltraMax” 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 “Touchdown” or “Roundup UltraMax” label, and also residual control of weed species on the CINCH® label. Use the minimum CINCH® rate postemergence with “Touchdown” or “Roundup UltraMax” in “Roundup Ready” corn as specified in the **Corn - CINCH® Alone - Preplant Incorporated or Preemergence** section of this label according to soil texture and organic matter and use the minimum rate. 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 "Touchdown" or "Roundup UltraMax" for control of labeled broadleaf and grass weeds. Refer to the "Touchdown" or "Roundup UltraMax" label for directions to control problem species.

Follow all applicable use directions, limitations, precautions, and information regarding application to corn on the DuPont™ CINCH® and "Touchdown" or "Roundup UltraMax" 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.

**Notes:** Do not use fertilizer or crop oil concentrate with these mixtures or injury to field corn may occur. The combination of CINCH® with other products for postemergence weed control in corn is generally not recommended. **These combinations may cause injury and/or weed control concerns that would not exist when the products are used separately.**

*Precautions: (1) Follow all label instructions, precautions, and rotational restrictions for individual products when making these applications to field corn. (2) In-row weed control may be reduced because of lack of coverage when applied to corn over 4 inches tall.*

**TANK MIXTURE WITH "BANVEL"**

**Preemergence:** Use this tank mixture only on field corn which is flat-planted (no furrows) in CO, IA, IL, IN, KS, MN, NE, OH, SD, and WI.

In addition to the weeds controlled by CINCH® alone, CINCH® + "Banvel", applied preemergence, also controls lambsquarters, ragweed, smartweed, cocklebur\*, jimsonweed\*, morningglory\*, and velvetleaf\*.

\*Partially controlled.

Apply CINCH® + "Banvel" preemergence. Broadcast 1.0 pt./A of "Banvel" with 1.33 pts./A of CINCH® on medium soils, or with 1.33-1.67 pts./A of CINCH® on fine soils. Do not apply on coarse soils or on soils with less than 2.5% organic matter. Apply this tank mixture to the soil surface at planting or after planting, but before corn emerges. Plant corn at least 1.5 inches deep and apply behind planting equipment, avoiding incorporation by the planter wheel or other seed covering device. Do not incorporate before corn emergence. If it is necessary to rotary hoe to break the soil crust, do not disturb the soil more than 1/2 inch deep.

*Precautions: (1) Avoid drift to sensitive nontarget plants, such as soybeans, during application, or injury may occur. (2) Do not apply with aircraft.*

**Postemergence for Control of Pigweed (Mid-Atlantic states, including DE, MD, PA, VA, and WV):** Apply 1.0-1.5 pts./A of CINCH® + 0.5-1.0 pt./A of "Banvel" by ground equipment when pigweed plants are less than 3 inches tall and before corn exceeds 5 inches in height in a minimum of 20 gals. of spray per acre. Use the lower rate on coarse-textured and low organic matter soils. Use the higher rate on fine-textured and high organic matter soils.

"Banvel SGF" and "Clarity" may be used at equivalent lbs. of active ingredient per acre.

*Precautions: (1) Avoid drift to sensitive nontarget plants, such as soybeans, during application, or injury may occur. (2) Do not apply with aircraft.*

**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, CINCH® may be applied preemergence in tank mix combination with "Aatrex" + "Lorox". Apply CINCH® 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 CINCH®, "Aatrex", and "Lorox" labels when applying these products in tank mix combinations.

**TANK MIXTURE WITH "AATREX", "BALANCE", OR "PRINCEP", "AATREX" + "BALANCE", OR "AATREX" + "PRINCEP", WITH "GRAMOXONE" EXTRA, "LANDMASTER" BW, "TOUCHDOWN", "ROUNDUP ULTRAMAX" 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" Extra, "Landmaster" BW, "Touchdown" or "Roundup UltraMax" may be added to a tank mix of CINCH® + "Aatrex", "Balance", or "Princep", CINCH® + "Aatrex" + "Balance", or CINCH® + "Aatrex" + "Princep". See Comment No. 6 following Chart 1. The CINCH® + "Aatrex" or "Princep", or CINCH® + "Aatrex" + "Princep" portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for CINCH® + "Aatrex" or "Princep", or CINCH® + "Aatrex" + "Princep" - Preplant Surface, Preplant Incorporated, or Preemergence. Refer to the CINCH® + "Balance" and the CINCH® + "Aatrex" + "Balance" sections of this label for rates and lists of weeds controlled in field corn.

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

**"Gramoxone" Extra:** 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" Extra in suspension-type liquid fertilizers, as 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, specified rates for specific weeds, and other information concerning use.

**"Roundup UltraMax" or "Touchdown":** See the product label for "Roundup UltraMax" or "Touchdown" or comparable glyphosate formulation for weeds controlled, specified 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 DuPont™ CINCH® 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 CINCH® 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 CINCH® 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 CINCH® + "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 CINCH®.

**TANK MIXTURE WITH "AATREX"; OR "AATREX" + 2,4-D; OR "AATREX" + "BALANCE"; OR "AATREX" + 2,4-D + "BANVEL" 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, CINCH® applied in combination with "AAtrex" or "AAtrex" + "Balance" will kill most emerged small annual weeds. Apply CINCH® + "AAtrex", or CINCH® + "AAtrex" + "Balance" 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 "X-77" surfactant at 1.0-2.0 qts./100 gals. of diluted spray, or another appropriate surfactant at its specified rate, or add crop oil concentrate plus 28% liquid nitrogen (or equivalent).

Apply before weeds exceed 3 inches in height. If alfalfa is present, add "Banvel" to the spray mixture at 0.33-0.5 pt./A and apply before alfalfa exceeds 6 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" Extra 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" Extra 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 "MARKSMAN" IN CONSERVATION TILLAGE - FIELD AND SILAGE CORN**

In conservation tillage systems where corn is planted directly into a cover crop or previous crop residue, CINCH® + "Marksman" will kill most emerged small annual weeds. Apply CINCH® + "Marksman" before, during, or after planting, but before corn emergence on medium and fine soils with greater than 2.5% organic matter. For fields with existing vegetation exceeding 3 inches in height or when very dry conditions exist, add "Gramoxone" Extra at its standard rate. CINCH® + "Marksman" may be applied postemergence to corn less than 3 inches tall and before weedy grasses exceed the 2-leaf stage.

As carriers, nitrogen solutions and complete liquid fertilizers, applied before corn emergence, enhance burndown of existing weeds. Do not apply "Gramoxone" Extra in suspension-type liquid fertilizer or use on emerged corn.

Refer to the "Marksman" label and follow all directions, limitations, precautions, and information regarding application and use in corn.



**TANK MIXTURE WITH "BALANCE" - FIELD CORN**

The tank mixture of DuPont™ CINCH® + "Balance" controls weeds listed on the CINCH® label, including pigweeds and eastern black nightshade, and provides improved control of problem species such as velvetleaf, tall and common waterhemp, jimsonweed, kochia, common lambsquarters, common ragweed, and others. Also, this tank mixture improves control of biotypes of these weeds resistant to ALS-inhibitor herbicides and to triazine herbicides. It will also contribute to the control of certain problem grass species. Application may be preplant (surface-applied up to 14 days prior to planting), preplant incorporated, or preemergence in conventional tillage, conservation tillage, and no-till systems. Use the CINCH® rate specified in this label in the **Corn - CINCH® Alone - Preplant Surface-Applied** sections for rates to apply preplant surface up to 14 days before planting, and in the **Preplant Incorporated or Preemergence** section for preplant incorporated and preemergence rates. Refer to the **Application Procedures and Tank Mix Directions** on the "Balance" label, but to reduce the potential for injury from "Balance" contact with corn in preplant applications 0-7 days before planting, preplant incorporated, or preemergence applications, use 1.0 oz./A of "Balance" on coarse-textured soils, and 1.0-1.5 oz./A on medium- and fine-textured soils in conventional, conservation, and no-tillage systems. For early preplant applications 8-14 days before planting, add 0.5 oz./A of "Balance" to the rates of "Balance" described above.

Observe all applicable directions, precautions, and limitations on the CINCH® and "Balance" labels when applying these products in tank mix combination in states where "Balance" is registered. Where difficult species and/or severe weed populations are expected, use the maximum rate where rate ranges are listed.

**TANK MIXTURE WITH "AATREX" + "BALANCE" - FIELD CORN**

The tank mixture of CINCH® + "AAtrex" + "Balance" controls weeds listed on the CINCH® + "AAtrex" tank mixture label, and provides improved control of velvetleaf, kochia, pigweeds, tall and common waterhemp, jimsonweed, common lambsquarters, common ragweed, and biotypes of these weeds resistant to ALS-inhibitor herbicides and to triazine herbicides. "Balance" will contribute to the control of problem grass and other broadleaf species. Application may be preplant (surface-applied up to 14 days prior to planting), preplant incorporated, or preemergence in conventional tillage, conservation tillage, and no-till systems, as appropriate. Use the CINCH® + "AAtrex" rates specified in this label (**Corn - CINCH® - Combinations - Tank Mixture with "AAtrex" ... - Preplant Surface, Preplant Incorporated, or Preemergence**) to apply preplant surface up to 14 days before planting, preplant incorporated, or preemergence. Refer to the **Application Procedures and Tank Mix Directions** on the "Balance" label, but to reduce the potential for injury from "Balance" contact with corn, use 1.0 oz./A of "Balance" on coarse-textured soils and 1.0-1.5 oz./A on medium- and fine-textured soils in conventional,

conservation, and no-tillage systems. For early preplant applications 8-14 days before planting, add 0.5 oz./A of "Balance" to the rates of "Balance" described above.

Observe all applicable directions, precautions, and limitations on the CINCH®, "AAtrex", and "Balance" labels when applying these products in tank mix combination in states where "Balance" is registered. Where difficult species and/or severe weed populations are expected, use the maximum rate where rate ranges are listed.

**COTTON - CINCH® ALONE**

**Application:** Apply CINCH® preemergence only in Area 1\* at the rate of 0.5-1.0 pts./A on sandy loams, 0.66-1.33 pts./A on medium soils, or 1.0-1.33 pts./A on fine soils. Apply CINCH® 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. **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 CINCH® 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.

*Precautions: To avoid crop injury, (1) Do not apply CINCH® 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 CINCH® 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; and (3) Do not apply on Taloka silt loam. (4) Do not use in Gaines County, TX.*

**Note:** To avoid possible illegal residues, do not graze or feed forage or fodder from cotton to livestock.

**COTTON – DUPONT™ CINCH® COMBINATIONS  
TANK MIXTURE WITH “CAPAROL” 4L**

CINCH® tank mixtures with “Caparol” 4L may be applied in water or fluid fertilizer. When fluid fertilizer is used as a carrier for CINCH®, 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.

In addition to those weeds controlled by CINCH® alone, CINCH® + “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.

**Preplant Incorporated or Preemergence:** Apply CINCH® + “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: CINCH® + “Caparol” 4L – Cotton (NM, OK, TX)**

Use Areas	Soil Texture	Broadcast Rates Per Acre	
		CINCH®	“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.
Rio Grande Valley of TX	Clays	1.33 pts.	4.8 pts.
NM; High Plains,	Loams	0.8-1.33 pts.	2.4 pts.
Rolling Plains,	Sandy loam	0.8-1.0 pt.	1.6 pts.
Edwards Plateau of TX; and Southwest TX	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.

*Precautions: (1) To avoid concentration in the seed furrow, do not make broadcast applications of CINCH® + “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: To avoid possible illegal residues, do not graze or feed forage or fodder from cotton to livestock.

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

**TANK MIXTURE WITH “COTORAN” DF**

CINCH® may be applied in tank mixture with “Cotoran” DF preemergence for control of those weeds controlled by CINCH® 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.

**Mixing Instructions:** Incompatibility may occur when tank mixing CINCH® 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 “X-77” at 0.5% volume/volume final spray (4.0 pts./100 gals.), then add the CINCH® and finally the rest of the water or fluid fertilizer. Agitate during mixing and application to maintain a uniform suspension.

**Table 4: CINCH® + “Cotoran” DF – Cotton**

Soil Texture	Broadcast Rates Per Acre		
	CINCH® (pts.)		“Cotoran” DF***
	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.

*Precautions: (1) Do not apply CINCH® + “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 CINCH® + “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 DUPONT™ CINCH® OR CINCH® + “COTORAN” WITH “GRAMOXONE” EXTRA, “TOUCHDOWN” OR “ROUNDUP ULTRAMAX” 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” Extra, “Touchdown” or “Roundup UltraMax” may be added to a tank mix of either CINCH® or CINCH® + “Cotoran”. When used as directed, the “Gramoxone” Extra portion of the tank mixture controls most emerged weeds and suppresses many perennial weeds. “Touchdown” or “Roundup UltraMax” combinations will control emerged annual and perennial weeds when applied as directed on the “Touchdown” or “Roundup UltraMax” label. The CINCH® and CINCH® + “Cotoran” portion of the tank mixture provides preemergence control of the weeds listed on this label in the CINCH® and CINCH® + “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 CINCH® 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” Extra, “Touchdown” or “Roundup UltraMax” at the following broadcast rates:

“Gramoxone” Extra: 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” Extra in suspension-type liquid fertilizers, as the activity of paraquat will be reduced.

“Touchdown” or “Roundup UltraMax”: See the product label for “Touchdown” or “Roundup UltraMax” or comparable glyphosate formulation for weeds controlled, specified rates, and other use directions.

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.*

**PEANUTS – CINCH® ALONE**

Apply CINCH®, either preplant incorporated, postplant incorporated, or preemergence, using the appropriate rate specified below. **Preplant Incorporated or Preemergence:** Follow instructions for use of CINCH® alone under **Application Procedures. Postplant Incorporated:** Apply and shallowly incorporate CINCH® 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.

Apply CINCH® alone, preplant incorporated, postplant incorporated, or preemergence, 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) CINCH® alone may be applied as directed after any of the following preplant incorporated herbicides when used according to their label instructions: “Balan” at 3.0-4.0 qts./A; “Treflan” E.C. at 1.0 pt./A; “Vernam” at 2.33-3.0 pts./A; “Sonalan” at 1.25-3.0 pts./A; “Pursuit” at 0.25 pt./A; or “Prowl” 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 – CINCH® COMBINATIONS**

**TANK MIXTURE WITH “BALAN” L.C.**

CINCH® + “Balan” tank mixture applied preplant incorporated controls those weeds listed under **CINCH® Applied Alone** and those weeds as listed on the “Balan” label.

Apply 1.0-1.33 pts./A of CINCH® + 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 specified procedures for “Balan” on the “Balan” label for soil preparation and incorporation of this tank mix. Apply and incorporate CINCH® + “Balan” up to 14 days prior to planting.

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

**TANK MIXTURE OR SEQUENTIALLY WITH “PURSUIT”**

The tank mixture or sequential treatment of CINCH® and “Pursuit” controls all weeds controlled by CINCH® alone and by “Pursuit” alone. Refer to the **CINCH® Applied Alone** section for weeds controlled by CINCH® 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 either product. CINCH® will not control emerged weeds.

**TANK MIXTURE WITH “SONALAN”**

The tank mixture controls all weeds controlled by DuPont™ CINCH® alone and by “Sonalan” alone. Refer to the **CINCH® Applied Alone** section for weeds controlled by CINCH® and to the “Sonalan” label for weeds controlled by “Sonalan”.

Apply CINCH® + “Sonalan” preplant incorporated, using the appropriate rate from Table 5. Follow specified soil preparation procedures for “Sonalan”. Refer to the Peanut “Sonalan” label for incorporation specifications.

**Table 5: CINCH® + “Sonalan” – Peanuts**

Soil Texture	Broadcast Rates Per Acre			
	Southeast		NM, OK, TX	
	CINCH®	“Sonalan”	CINCH®	“Sonalan”
<b>COARSE</b>	1.0-1.33 pts.	1.25-2.0 pts.	0.8-1.33 pts.	1.25-2.0 pts.
<b>MEDIUM</b>	1.0-1.33 pts.	1.75-2.5 pts.	0.8-1.33 pts.	1.75-2.5 pts.
<b>FINE</b>	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 CINCH® and “Sonalan” labels.

**TANK MIXTURE WITH “PROWL”**

CINCH® + “Prowl” applied preplant incorporated controls all weeds controlled by CINCH® alone plus Texas panicum, field sandbur, johnsongrass from seed, lambsquarters, kochia, annual spurge, and other species on the “Prowl” label. Apply CINCH® + “Prowl” 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 CINCH® + “Prowl” preplant incorporated, using the appropriate rates from Table 6.

**Table 6: CINCH® + “Prowl” – Peanuts**

Soil Texture	Broadcast Rates Per Acre	
	NM, OK, TX CINCH® + “Prowl”	Other Peanut Growing States CINCH® + “Prowl”
Sand, loamy sand	0.8 + 1.0-1.5 pts.	1.0-1.33 + 1.5-2.0 pts.
Sandy loam	0.8-1.0 + 1.0-1.5 pts.	1.0-1.33 + 1.5-2.0 pts.
Fine soil	1.33 + 1.0-1.5 pts.	1.33 + 1.5-2.0 pts.

**Note:** Follow all use directions, limitations, precautions, and information regarding application to peanuts on the CINCH® and “Prowl” labels.

**SEQUENTIALLY WITH “STORM”**

Apply CINCH® according to the directions for **CINCH® Alone** and follow with a postemergence treatment of “Storm” as specified on its label for the control of weeds listed on the

CINCH® label and on the “Storm” label. Refer to the **CINCH® – Peanuts – Alone** section and to the “Storm” label and follow all directions, limitations, and restrictions for each product.

**POD CROPS – CINCH® 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), and lupines (sweet, white, white sweet, and grain).

**Fall Application:**

1. Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
2. Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
3. 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. **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 CINCH®, either preplant incorporated or preemergence, using the appropriate rate specified below.

**Preplant Incorporated or Preemergence:** Follow instructions for use of CINCH® alone under **Application Procedures**. On coarse soils with less than 3% organic matter, apply 1.0-1.33 pts./A of CINCH® or 1.33 pts./A if organic matter is 3% or greater. On medium soils, apply 1.33-1.67 pts./A of CINCH®. On fine soils, apply 1.33-1.67 pts./A of CINCH® 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 CINCH® application, and (2) Do not apply more than 2.0 pts./A of CINCH® during any one crop year.

**POD CROPS – CINCH® COMBINATIONS**

**Note:** When applying CINCH® 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 DuPont™ CINCH® alone and by "Eptam" alone. Refer to the **CINCH® Applied Alone** section of this label for weeds controlled by CINCH® alone and to the "Eptam" label for weeds controlled by "Eptam".

**Preplant Incorporated:** Follow instructions for use of CINCH® alone under **Application Procedures**. **Sequential:** Apply "Eptam" alone preplant incorporated, as specified on that label. Follow with a preemergence application of CINCH®, at rates specified for CINCH® 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 CINCH® as specified. On coarse soils, apply 0.8 pt./A of CINCH® 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 CINCH® 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 CINCH® 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 "TREFLAN" – BEANS (DRY – KIDNEY, NAVY, PINTO, ETC.; LIMA; AND SNAP)**

CINCH® + "Treflan" tank mix applied preplant incorporated controls those weeds listed under **CINCH® Applied Alone** and those weeds listed for "'Treflan'" alone on the "Treflan" label. CINCH® + "Treflan" may be applied by ground or by aerial equipment and incorporated up to 14 days prior to planting. Follow the specified procedures on this label and on the respective "Treflan" label using equipment that provides uniform 2-inch incorporation.

Apply CINCH® + "Treflan" tank mix using the appropriate CINCH® rate specified for CINCH® alone, and the "Treflan" rate from the Dry Beans, and the Lima and Snap Beans sections of the respective "Treflan" 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 "Treflan" label and in the **Pod Crops – CINCH® Alone** section of this label.

**POTATOES – CINCH® ALONE**

Apply CINCH®, either incorporated or preemergence, 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 application by center pivot irrigation, see the **Center Pivot Irrigation Application** section of this label.

**Incorporated:** Apply CINCH® 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 CINCH® in the top 2 inches of soil. Do not damage potato seed pieces or sprouts with incorporation equipment.

**Preemergence:** Apply CINCH® 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 2.5 pts./A of CINCH® alone may be used where soil organic matter is between 6% and 20%.

*Precautions: (1) Do not use on muck or peat soils. If cool, wet soil conditions occur after application, CINCH® may delay maturity and/or reduce yield of Superior and other early maturing potato varieties. To avoid crop injury, (2) Do not use on sweet potatoes or yams; (3) Do not apply both as a preemergence and an incorporated treatment; and (4) Do not use in Kern County, CA.*

**Note:** Potatoes treated with CINCH® should not be harvested within 60 days after the at-planting to drag-off application, or illegal residues may result.

**POTATOES – CINCH® COMBINATIONS**

**TANK MIXTURE WITH "SENCOR"**

In addition to those weeds controlled by CINCH® alone, CINCH® applied in tank mix combination with, or sequentially with, any of the registered "Sencor" 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.

CINCH® at 1.0-2.0 pts./A plus the labeled "Sencor" use rate may be used preemergence. Apply 1.0-1.33 pts./A of CINCH® 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. CINCH® will not control emerged weeds.

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

*Precautions: (1) Do not use DuPont™ CINCH® + “Sencor” on potatoes in Kern County, CA. (2) Do not apply to sweet potatoes or yams. (3) Do not use this tank mixture on muck or peat soils.*

**Note:** Potatoes treated with CINCH® in tank mixture with “Sencor” cannot be harvested within 60 days after application, or illegal residues may result.

**CINCH® + “LOROX” TANK MIXTURE (EAST OF ROCKY MOUNTAINS)**

CINCH® 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: CINCH® + “Lorox” – Potatoes (East of Rocky Mountains)**

Soil Texture	Broadcast Rates Per Acre			
	1% to Less Than 3% Organic Matter		3-5% Organic Matter	
	CINCH®	“Lorox”	CINCH®	“Lorox”
<b>COARSE</b>				
Sandy loam	1.0 pt.	1.0-1.5 lbs.	1.33 pts.	1.5-2.0 lbs.
<b>MEDIUM</b>				
Loam, silt loam, silt	1.33 pts.	1.5-2.0 lbs.	1.67-2.0 pts.	2.0-2.5 lbs.

*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 “PROWL” 4E**

In addition to the weeds controlled by CINCH® alone, this tank mixture with “Prowl” 4E controls such problem species as kochia, lambsquarters, purslane, annual spurge, stinging nettle, and others specified on the “Prowl” 4E Alone label. Apply CINCH® + “Prowl” 4E preemergence or preemergence incorporated, according to the specific directions on the “Prowl” 4E label, using the rates in Table 8.

**Table 8: CINCH® + “Prowl” 4E – Potatoes**

Soil Texture	Broadcast Rates Per Acre	
	Less Than 3% Organic Matter CINCH® + “Prowl” 4E*	More Than 3% Organic Matter CINCH® + “Prowl” 4E*
<b>COARSE</b>	1.0-1.33 pts. + 1.0-1.5 pts.	1.0-1.33 pts. + 1.0-1.5 pts.
<b>MEDIUM</b>	1.33 pts. + 1.5-2.0 pts.	1.33-1.67 pts. + 2.0-3.0 pts.
<b>FINE</b>	1.33-1.67 pts. + 2.0-3.0 pts.	1.67-2.0 pts. + 3.0 pts.

\*When using other formulations of “Prowl”, use equivalent rates of active ingredient. Refer to the CINCH® and “Prowl” 4E 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 “PROWL” 4E + “EPTAM”**

In addition to the weeds controlled by CINCH® alone, this tank mixture will control those species on the “Prowl” 4E and “Eptam” labels. Refer to the CINCH® + “Prowl” 4E 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 CINCH®, “Prowl” 4E, 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 – CINCH® ALONE**

**Preplant Incorporated or Preemergence:** Follow instructions for use of CINCH® alone under **Application Procedures**.

On coarse soils, apply 1.0-1.33 pts./A of CINCH® 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 CINCH®. On fine soils, apply 1.33-1.67 pts./A of CINCH® 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” OR “SCREEN”) – CINCH® ALONE**

Apply CINCH®, either preplant surface, preplant incorporated, or preemergence, using the appropriate rate specified below. Apply CINCH® alone only when the sorghum seed has been properly treated by the seed company with “Concep” or “Screen”.

**Preplant Surface-Applied:** Refer to instructions for use of CINCH® under **Application Procedures**. For minimum-tillage or no-tillage systems only, CINCH® 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 CINCH® 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

DuPont™ CINCH® on coarse soils not more than 2 weeks prior to planting. Under dry conditions, irrigation after application is recommended to move CINCH® into the soil.

**Preplant Incorporated or Preemergence:** Refer to instructions for use of CINCH® under **Application Procedures**. Broadcast 1.0-1.33 pts./A of CINCH® 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" or "Screen", CINCH® will severely injure the crop. (2) Under high soil moisture conditions prior to sorghum emergence, injury may occur following the use of CINCH®. The crop will normally outgrow this effect. (3) Do not use CINCH® 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" OR "SCREEN") – CINCH® COMBINATIONS**

CINCH® tank mixtures with "AAtrex" may be applied in water or fluid fertilizer. Apply CINCH® in tank mixtures only when the sorghum seed has been properly treated by the seed company with "Concep" or "Screen".

**IMPORTANT: FOR TANK MIXTURES WITH "AATREX" (OR OTHER BRANDS OF ATRAZINE) – If applying CINCH® 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 specified 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 CINCH® + "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" or "Screen", CINCH® + "AAtrex" may severely injure the crop. (3) Under high soil moisture conditions prior to sorghum emergence, injury may occur following the use of CINCH® + "AAtrex". The crop will normally outgrow this effect. (4) Do not use CINCH® + "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 CINCH® alone, CINCH® + "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 CINCH® under **Application Procedures**. For minimum-tillage or no-tillage systems only, CINCH® + "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 CINCH® + 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 CINCH® + 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 CINCH® + 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 CINCH® + "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 CINCH® under **Application Procedures**. On medium soils with 1.5% organic matter or greater, apply 1.0 pt./A of CINCH® + 1.3 lbs./A of "AAtrex" "Nine-O"\*. On fine soils with less than 1.5% organic matter, apply 1.0 pt./A of CINCH® + 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 CINCH® + 1.6-1.8 lbs./A of "AAtrex" "Nine-O".

\* When using "AAtrex" 4L, use equivalent rates. One lb. of "AAtrex" "Nine-O" equals 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 CINCH® OR CINCH® + "AATREX", WITH "GRAMOXONE" EXTRA, "LANDMASTER" BW, "TOUCHDOWN" OR "ROUNDUP ULTRAMAX" FOR MINIMUM-TILLAGE OR NO-TILLAGE SYSTEMS**

In minimum-tillage or no-tillage systems where sorghum (seed treated with "Concep" or "Screen") is planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides "Gramoxone" Extra, "Landmaster" BW, "Touchdown" or "Roundup UltraMax" may be tank mixed with CINCH® or CINCH® + "AAtrex". See Comment No. 6 following Chart 1. The CINCH® or CINCH® + "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 – DuPont™ CINCH® Alone or – CINCH® Combinations – CINCH® + “AAtrex”**, respectively. Add “Gramoxone” Extra, “Landmaster” BW, “Touchdown” or “Roundup UltraMax” at the following broadcast rates:

**“Gramoxone” Extra:** 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, specified rates for specific weeds, and other information concerning use.

**“Touchdown” or “Roundup UltraMax”:** See the product label for “Touchdown” or “Roundup UltraMax” or comparable glyphosate formulation for weeds controlled, specified rates, and other use directions.

Apply in a minimum of 20 gals. of water per acre with conventional spray equipment.

**SOYBEANS – CINCH® ALONE**

Apply CINCH®, either preplant surface-applied, preplant incorporated, or preemergence, using the appropriate rate specified below. **Preplant Surface-Applied, Preplant Incorporated, or Preemergence:** Follow instructions for use of CINCH® alone under **Application Procedures**.

**PREPLANT SURFACE-APPLIED**

**Fall Application:**

1. Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
2. Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
3. 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 on 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 specified rate of CINCH® (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 before planting.

**Preplant Incorporated or Preemergence:** On coarse soils, apply 1.0-1.33 pts./A of CINCH® 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 CINCH®. On fine soils, apply 1.33-1.67 pts./A of CINCH® 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, CINCH® may be used up to 2.5 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 CINCH® rate applied to soybeans during any one crop should not exceed 2.5 pts./A.

**SOYBEANS – CINCH® COMBINATIONS**

Water or fluid fertilizer may be used as carrier for CINCH® in combination with “Sencor”, “Lorox”, DuPont™ AUTHORITY®, CANOPY XL®, “Pursuit”, “Scepter”, “Sonalan”, or “Command”.

**Note:** For all of the following combinations, CINCH® may be used up to 2.33 pts./A on soils having an organic matter content between 6% and 20%. The total CINCH® rate applied to soybeans during any one crop year should not exceed 2.5 pts./A.

**TANK MIXTURE WITH “SENCOR”**

In addition to those weeds controlled by CINCH® alone, CINCH® + “Sencor”, 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 CINCH® and “Sencor” preplant incorporated or preemergence, using the appropriate rates from Table 9.

**Preplant Incorporated or Preemergence:** Follow instructions for use of CINCH® alone under **Application Procedures**.

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

Refer to the “Sencor” for planting details and soybean variety restrictions.



**Table 9: DuPont™ CINCH® + “Sencor” – Soybeans**

Soil Texture**	Broadcast Rates Per Acre			
	0.5% to Less Than 3% Organic Matter		3% Organic Matter or Greater	
COARSE	0.8-1.0 pt. +	0.33 lb.	1.0 pt. +	0.5 lb.
Loamy sand (over 2% organic matter), sandy loam				
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, 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.*

**TANK MIXTURE WITH “LOROX”**

In addition to those weeds controlled by CINCH® alone, CINCH® + “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: CINCH® + “Lorox” – Soybeans**

Soil Texture*	Broadcast Rates Per Acre			
	0.5% to Less Than 3% Organic Matter		3% Organic Matter or Greater	
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.

**TANK MIXTURE WITH “TREFLAN”**

CINCH® + “Treflan” tank mix applied preplant incorporated controls those weeds listed under CINCH® Applied Alone and those weeds listed for “Treflan” Alone on the “Treflan” label. CINCH® + “Treflan” may be applied by ground or aerial equipment and incorporated up to 14 days before planting. Follow the specified procedures on the “Treflan” and CINCH® labels, using equipment that provides uniform 2-inch incorporation.

Apply CINCH® + “Treflan” tank mix using the appropriate rate from the Soybeans – CINCH® Alone section of this label and the “Treflan” Alone section of the “Treflan” 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: CINCH® + “Treflan” – Organic Matter Content Less Than 3%**

Soil Texture	Broadcast Rates Per Acre		
	CINCH® Organic Matter	“Treflan” E.C.** Organic Matter	
	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 CINCH®, use the minimum rate where DNA-resistant goosegrass is the predominant species.

\*\* When “Treflan” MTF or “Treflan” 5 is used, use comparable rates. Multiply pts. of “Treflan” E.C. by 1 for “Treflan” MTF and by 0.8 for “Treflan” 5.

**Note:** Follow all restrictions and precautions on the respective “Treflan” label and in the Soybeans – CINCH® Alone section of this label.

**TANK MIXTURE WITH “SCEPTER”**

This tank mixture controls all weeds controlled by DuPont™ CINCH® alone and by “Scepter” alone. Refer to the **CINCH® Applied Alone** section for weeds controlled by CINCH® 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 CINCH® + “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: CINCH® + “Scepter” – Soybeans**

Soil Texture	Broadcast Rates Per Acre			
	Less Than 3% Organic Matter		3% or More Organic Matter	
	CINCH®	“Scepter”	CINCH®	“Scepter”
<b>COARSE</b>	0.8 pt.	0.67 pt.	1.0 pt.	0.67 pt.
<b>MEDIUM</b>	1.0 pt.	0.67 pt.	1.33 pts.	0.67 pt.
<b>FINE</b>	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 CINCH® if heavy weed infestations are expected.

**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.

**TANK MIXTURE WITH DUPONT™ CANOPY XL® OR AUTHORITY®**

These tank mixtures control all weeds controlled by CINCH® alone and by CANOPY XL® or AUTHORITY® alone. Refer to the respective product labels for a full listing of use rates, weeds controlled, restrictions and precautions for these products used alone in soybeans.

**TANK MIXTURE WITH “COMMAND”\***

This tank mixture controls all weeds controlled by CINCH® alone and by “Command” alone. Refer to the **CINCH® Applied Alone** section for weeds controlled by CINCH® and to the “Command” label for weeds controlled by “Command”.

Apply CINCH® + “Command” preplant incorporated, using rates in Table 13. Follow all “Command” application instructions as to incorporation interval, geographical location, equipment operation, soil moisture conditions, etc.

**\*Note:** Before making applications, read and strictly follow all use directions, limitations, precautions, information regarding application to soybeans, and rotational restrictions on the CINCH® and “Command” labels.

**Table 13: CINCH® + “Command” – Soybeans**

Soil Texture	Broadcast Rates Per Acre			
	CINCH®		“Command” 4E	
	0.5-3% Organic Matter	Greater Than 3% Organic Matter	Northern Area	Southern Area
<b>COARSE</b>	0.8 pt.	1.0 pt.	1.5-2.0 pts.	2.0-2.5 pts.
<b>MEDIUM</b>	1.0 pt.	1.33 pts.	1.5-2.0 pts.	2.0-2.5 pts.
<b>FINE</b>	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 CINCH® alone and by “Sonalan” alone. Refer to the **CINCH® Applied Alone** section for weeds controlled by CINCH® and to the “Sonalan” label for weeds controlled by “Sonalan”.

Apply CINCH® and “Sonalan” preplant incorporated, using the appropriate rates from Table 14.

**Preplant Incorporated:** Follow specified soil preparation procedures for “Sonalan”. Refer to the “Sonalan” label for incorporation specifications.

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

**Table 14: CINCH® + “Sonalan” – Soybeans**

Soil Texture	Broadcast Rates Per Acre			
	Less Than 3% Organic Matter		3% or More Organic Matter	
	CINCH®	“Sonalan”	CINCH®	“Sonalan”
<b>COARSE</b>	1.0-1.33 pts.	1.25-2.0 pts.	1.33 pts.	1.25-2.0 pts.
<b>MEDIUM*</b>	1.33-1.67 pts.	1.75-2.5 pts.	1.33-1.67 pts.	1.75-2.5 pts.
<b>FINE*</b>	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 all use directions, limitations, precautions, and information regarding application to soybeans on the CINCH® and “Sonalan” labels.

**TANK MIXTURE WITH “PURSUIT”**

This tank mixture controls all weeds controlled by CINCH® alone and by “Pursuit” alone. Refer to the **CINCH® Applied Alone** section for weeds controlled by CINCH® 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 DuPont™ CINCH® + “Pursuit” early preplant, preplant incorporated, or preemergence after planting, using rates in Table 15. 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 all use directions, limitations, precautions, information regarding application to soybeans, and rotational restrictions on the CINCH® and “Pursuit” labels.

**Table 15: CINCH® + “Pursuit” – Soybeans**

Soil Texture	Broadcast Rates Per Acre		
	Less Than 3% Organic Matter	3% or More Organic Matter	Less Than 3% or More Organic Matter
COARSE	CINCH® 0.8 pt.	CINCH® 1.0 pt.	“Pursuit” 0.25 pt.
MEDIUM	CINCH® 1.0 pt.	CINCH® 1.33 pts.	“Pursuit” 0.25 pt.
FINE	CINCH® 1.33 pts.	CINCH® 1.33-1.67 pts.	“Pursuit” 0.25 pt.

**Sequential:** Apply CINCH® 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. CINCH® 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 “SENCOR”, “SCEPTER”, “LOROX”, DUPONT™ CANOPY XL®, OR “PURSUIT”, PLUS “GRAMOXONE” EXTRA, “TOUCHDOWN” OR “ROUNDUP ULTRAMAX” 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” Extra, “Touchdown” or “Roundup UltraMax” may be added to a tank mix of either CINCH® + “Sencor” CINCH® + “Scepter”, CINCH® + “Lorox”, CINCH® + CANOPY XL®, or CINCH® + “Pursuit”. When used as directed, the “Gramoxone” Extra portion of the tank mixture controls most emerged weeds and suppresses many perennial weeds. “Touchdown” or “Roundup UltraMax” combinations will control emerged annual and perennial weeds when applied as directed on the “Touchdown” or “Roundup UltraMax” label. The CINCH® + “Sencor”, “Scepter”, “Lorox”, CANOPY XL®, or “Pursuit” portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for CINCH® + “Sencor”, CINCH® + “Scepter”, CINCH® + “Lorox”, CINCH® + CANOPY XL®, and CINCH® + “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” Extra, “Touchdown” or “Roundup UltraMax”, CINCH® + “Sencor”, CINCH® + “Scepter”, CINCH® + “Lorox”, CINCH® + DuPont™ CANOPY XL®, and CINCH® + “Pursuit”, respectively.

**Application:** Apply before, during, or after planting, but before the soybeans emerge, at the rates specified below. Add “Gramoxone” Extra, “Touchdown” or “RoundUp UltraMax” at the following broadcast rates:

**“Gramoxone” Extra:** 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” Extra in suspension-type liquid fertilizers, as the activity of paraquat will be reduced.

**“Touchdown” or “Roundup UltraMax”:** See the product label for “Touchdown” or “Roundup UltraMax” or comparable glyphosate formulation for weeds controlled, specified rates, and other use directions.

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

**CINCH® + “Sencor” + “Gramoxone” Extra, “Touchdown” or “Roundup UltraMax”**

On loamy sand with over 2% organic matter, apply 1.0 pt./A of CINCH® + 0.33-0.5 lb./A of “Sencor”. On medium soils, apply 1.33 pts./A of CINCH® + 0.5-0.67 lb./A of “Sencor”. On fine soils, apply 1.33-1.67 pts./A of CINCH® + 0.67 lb./A of “Sencor”.

\* When using “Sencor” 4, 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.*

**CINCH® + “Scepter” + “Gramoxone” Extra, “Touchdown” or “Roundup UltraMax”**

On coarse soils, apply 1.0 pt./A of CINCH® + 0.67 pt./A of “Scepter”. On medium soils, apply 1.33 pts./A of CINCH® + 0.67 pt./A of “Scepter”. On fine soils, apply 1.67 pts./A of CINCH® + 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.

**DuPont™ CINCH® + “Lorox” + “Gramoxone” Extra,  
“Touchdown” or “Roundup UltraMax”**

On coarse soils\*, apply 1.0 pt./A of CINCH® + 1.0-1.5 lbs./A of “Lorox”. On medium soils, apply 1.33 pts./A of CINCH® + 1.0-2.0 lbs./A of “Lorox”. On fine soils, apply 1.33-1.67 pts./A of CINCH® + 2.0-3.0 lbs./A of “Lorox”.

\* 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.

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

**CINCH® + CANOPY XL® + “Gramoxone” Extra,  
“Touchdown” or “Roundup UltraMax”**

Use only where soils have 0.5-5% organic matter. On coarse soils (except sand), apply 1.0 pt./A of CINCH®, on medium soils, apply 1.33 pts./A of CINCH®, and on fine soils, apply 1.33-1.67 pts./A of CINCH®. Refer to the CANOPY XL® 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 XL® label.*

**CINCH® + “Pursuit” + “Gramoxone” Extra,  
“Touchdown” or “Roundup UltraMax”**

On coarse soils, apply 1.0 pt./A of CINCH® + 0.25 pt./A of “Pursuit”. On medium soils, apply 1.33 pts./A of CINCH® + 0.25 pt./A of “Pursuit”. On fine soils, apply 1.67 pts./A of CINCH® + 0.25 pt./A “Pursuit”.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool and dry place. Do not irradiate with direct sunlight.

**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 Handling:** Refer to the Net Contents section of this product’s labeling for the applicable “Nonrefillable Container” or “Refillable Container” designation.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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 1/4 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, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and 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, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**All Refillable Containers:** Refillable container.  
*Refilling Container:* Refill this container with DuPont™ CINCH® containing S-metolachlor only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, do not use container, contact DuPont at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont at the number below for instructions. *Disposing of Container:* Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

**NOTICE TO BUYER:** Purchase of this material does not confer any rights under patents of countries outside of the United States.

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"Command" trademark of FMC Corporation

"Complex" trademark of KALO Agricultural Chemicals, Inc.

"Hi-Cycle" trademark of John Deere Company

"Landmaster", "Roundup Ultra", "Roundup UltraMax", and "Screen" trademarks of Monsanto Company

"Sencor" trademark of Bayer Corporation

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**LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read this Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

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