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

**Parallel PCS® HERBICIDE**

**ACTIVE INGREDIENT:** % BY WT.
Metolachlor: 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl) acetamide ........................................ 86.4%

**INERT INGREDIENTS:** ........................................ 13.6%

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

PARALLEL PCS contains 8 lbs. of active ingredient per gallon.

**EPA Reg. No. 66222-86**

For additional precautionary, handling, and use statements, see inside of this booklet.

**FIRST AID**

**IF INHALED:**
- Hold person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further 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 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 SWALLOWED:**
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

**KEEP OUT OF REACH OF CHILDREN**

**PROOF**

THIS PROOF IS TO BE CHECKED FOR ACCURACY

Please review and approve Text, Spelling, Copy Placement, Size, Shape, Colors and DieLine.

Authorized signature accepts responsibility for accuracy of all copy, color break and artwork. Cimarron Label is not liable for any discrepancies subsequently identified.

PLEASE NOTE: Due to color variance between printers/monitors, the colors represented by this proof cannot be deemed accurate. Please refer to a color matching system such as the Pantone Matching System for a true representation of spot colors.

THIS PROOF IS NOT ACCURATE FOR COLOR-MATCH. DieLine does not print.

Cimarron Label

4201 North Westport Ave. • Sioux Falls, SD 57107
Phone: (605) 978-0451 • Fax: (605) 978-0463

**DATE**

JANUARY 9, 2013

**JOB NUMBER**

63022

**CUSTOMER**

MAKHTESHI

**LABEL SIZE**

6.75" X 6.75"

**BOOKLET SIZE**

6.5" X 5.75"

**LABEL COLORS**

BLK 347 7531

**BOOKLET COVER COLORS**

BLK 347 7531

**BOOKLET INSIDE COLORS**

BLK

PATTERN VARNISH: ☑ YES ☐ NO

WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE

Signed __________________________ Date ____________

☐ ARTWORK IS APPROVED ☐ REVISED PROOF NEEDED
For weed control in cotton, peanuts, pod crops, potatoes, safflower, grain or forage sorghum, soybeans and tomatoes

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**CAUTION**

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Have additional precautionary, handling, and use statements, see inside of this booklet.

**Manufactured for:**
Makhteshim Agan
of North America, Inc.
3120 Highwoods Blvd
Suite 100
Raleigh, NC 27604

14458
EPA 082610/Rev D

**Net Contents:** 2.5 Gallons
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION
Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category H on an EPA chemical resistance category selection chart.
Applicators and other handlers must wear:
• Coveralls over short-sleeved shirt and short pants
• Chemical-resistant gloves, such as barrier laminate or Viton
• Chemical-resistant footware plus socks
• Chemical-resistant headgear for overhead exposure
• Chemical-resistant apron when cleaning equipment, mixing, or loading
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENTS
Mixers and loaders supporting aerial applications are required to use closed systems. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4)). When using the closed system, the mixers and loaders PPE requirements may be reduced or modified as specified in the WPS.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

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

ENVIRONMENTAL HAZARDS
For terrestrial uses, do not apply directly to water, or 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 waters or rinsates.

Ground Water Advisory: This chemical is known 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: Metolachlor can contaminate surface water through ground spray drift. Under some conditions, metolachlor may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying 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 over-laying 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
This product is intended for use in weed control in cotton, peanuts, pod crops, potatoes, safflower, grain or forage sorghum, soybeans, and tomatoes.

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:
- Coveralls over short-sleeved shirt and short pants
- 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.

Not for sale, use, or distribution in Nassau or Suffolk Counties, NY.

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

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.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

PARALLEL® PCS is a selective herbicide recommended as a preplant surface-applied, preplant incorporated, or preemergence treatment in water or fluid fertilizer for control of most annual grasses and certain broadleaf weeds in cotton, peanuts, pod crops, potatoes, safflower, grain or forage sorghum, soybeans, and tomatoes.

Restriction: 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 non-target 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.

2. Mixing Instructions

PARALLEL PCS Alone: Mix PARALLEL PCS 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 PARALLEL PCS, 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, Banvel, Basagran, Butoxide, Butyric, Canopy, Caparol 4L, Command, Cotoran, Eptam, Gemini, Lexone, Lorox, Lorox Plus, Marksmen, MSMA, Preview, Princede, Prowl, Pursuit, AAtrex + Princep, Scepter, Sencor, Sonalan, Starfire, or Treflan, and allow it to become dispersed; then add PARALLEL PCS; then add Gramoxone Extra, Landmaster BW, or Roundup if these products are being used; and finally the rest of the water. For tank mixtures with AAtrex, Banvel, Canopy, Caparol 4L, Command, Cotoran*, Eptam, Gemini, Lexone, Lorox, Lorox Plus, Marksmen, MSMA, Preview, Princep, Prowl, Pursuit, AAtrex + Princep, Scepter, Sencor, Sonalan, Starfire, 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 Appendix A.

3. APPLICATION PROCEDURES

Application Timing
PARALLEL PCS 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.

a. Preplant Surface-Applied: For minimum-tillage or no-tillage systems only, PARALLEL PCS alone and some PARALLEL PCS tank mixtures may be applied up to 45 days before planting certain crops. Use only split applications for treatments made 30-45 days before planting, with 2/3 the recommended broadcast rate for the crop and soil texture applied initially and the remaining 1/3 at planting. Treatments less than 30 days before planting may be made either as a split or a single application. Refer to individual crop to determine if early preplant surface application is recommended. If weeds are present at the time of treatment, apply in a tank mixture combination with a contact herbicide (for example, Gramoxone Extra or Roundup). Observe directions for use, precautions, and restrictions on the label of the contact herbicide. To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.

b. Preplant Incorporated: Apply PARALLEL PCS 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 PARALLEL PCS after bed formation, unless specified otherwise.

c. Preemergence: Apply PARALLEL PCS during planting (behind the planter) or after planting but before weeds or crops emerge.

4. SPECIAL APPLICATION PROCEDURES

a. Preplant Incorporated: CA Only (Safflower, Pod Crops): Broadcast PARALLEL PCS 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 PARALLEL PCS treated zone is used (i.e., untreated soil should not be brought to soil surface). If the application is made to preformed beds, incorporate PARALLEL PCS with a tillage implement set to till 2-4 inches deep. Care should be taken during tilling to keep the tilled (PARALLEL PCS treated) soil on the beds. Preemergence: Apply PARALLEL PCS after planting. Water with sprinkler or flood irrigation within 7-10 days.

b. Fall Application (Only in IA, MN, ND, SD, WI, North of Route 20 in the state of NE, and North of Route 136 in the state of IL): Do not apply to frozen ground. Use on medium and fine soils with greater than 2.5% organic matter that will be planted to 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.

c. Ground Application: Apply PARALLEL PCS 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 PARALLEL PCS tank mixtures with wettable powder or dry flowable formulations, screens and strainers should be no finer than 56-mesh. Rinse sprayer thoroughly with clean water immediately after use.

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

\[ \text{band width in inches} \times \text{broadcast} = \text{amount needed} \]
\[ \text{row width in inches} \times \text{rate per acre} = \text{rate per acre of field} \]

NOTE: For information on applying in lower volumes of carrier, see Low Carrier Application in Appendix B.

For application by air or through center pivot systems, see Appendices C and D. Appendix C includes Aerial Drift Management and Aerial Drift Reduction Advisory sections.

For information on impregnating dry fertilizer, see Appendix E.

PARALLEL PCS APPLIED ALONE

1. Weeds Controlled:

<table>
<thead>
<tr>
<th>Barnyardgrass (watergrass)</th>
<th>Florida pusley</th>
<th>Red rice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bristly foxtail</td>
<td>Foxtail millet</td>
<td>Robust foxtails (purple, white)</td>
</tr>
<tr>
<td>Carpetweed</td>
<td>Galinsoga</td>
<td>Signalgrass (brachiania)</td>
</tr>
<tr>
<td>Common waterhemp</td>
<td>Giant foxtail</td>
<td>Southwestern cupgrass</td>
</tr>
<tr>
<td>Crabgrass</td>
<td>Goosegrass</td>
<td>Tall waterhemp</td>
</tr>
<tr>
<td>Crowfootgrass</td>
<td>Green foxtail</td>
<td>Witchgrass</td>
</tr>
<tr>
<td>Eastern black nightshade</td>
<td>Pigweed</td>
<td>Yellow foxtail</td>
</tr>
<tr>
<td>Fall panicum</td>
<td>Prairie cupgrass</td>
<td>Yellow nutsedge</td>
</tr>
</tbody>
</table>
2. Weeds Partially Controlled*:

<table>
<thead>
<tr>
<th>Weed Type</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>common purslane</td>
<td>1.0-1.33 pts./A on fine soils.</td>
</tr>
<tr>
<td>sandybur</td>
<td></td>
</tr>
<tr>
<td>wild proso millet</td>
<td></td>
</tr>
<tr>
<td>seedling johnsongrass</td>
<td></td>
</tr>
<tr>
<td>shattercane</td>
<td></td>
</tr>
<tr>
<td>Texas panicum***</td>
<td></td>
</tr>
<tr>
<td>woolly cupgrass</td>
<td></td>
</tr>
<tr>
<td>hairy nightshade</td>
<td></td>
</tr>
</tbody>
</table>

*See Product 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. Thoroughly till moist soil to destroy germinating and emerged weeds. If PARALLEL PCS is to be applied preplant incorporated, this tillage may be used to incorporate PARALLEL PCS if uniform 2-inch incorporation is achieved as recommended under Application Procedures.

2. Plant crop into moist soil immediately after tillage. If PARALLEL PCS is to be used preemergence, apply at planting or immediately after planting.

3. If available, sprinkle 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 PARALLEL PCS.

4. 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 2 pts./A and apply preemergence.

***For partial control of this weed, use a minimum of 2 pts./A and apply through a center pivot irrigation system.

3. Rotational Crops:

PARALLEL PCS ALONE: (1) If crop treated with PARALLEL PCS alone is lost, any crop on this label may be replanted immediately. Do not make a second broadcast application of PARALLEL PCS. 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 4½ 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. All other rotational crops may be planted 12 months after a layby application. (4) Following a lay-by treatment or multiple treatments applied the previous season, any crop on this label, in addition to tobacco, cabbage, or peppers, may be planted in the spring.

PARALLEL PCS Tank Mixtures: For Rotational Crops restrictions for PARALLEL PCS used in tank mixtures, refer to the statements/restrictions above for PARALLEL PCS 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 3 lbs. a.i. of metolachlor per acre (3 pts. of PARALLEL PCS) preemergence (including preplant surface, preplant incorporated, postplant incorporated, etc.), and (2) Do not make lay-by or other postemergent applications of PARALLEL PCS.

2. Application: Apply PARALLEL PCS preemergence only in Area 1 at the rate of 0.75-1.0 pt./A on sandy loams, 1.0-1.33 pts./A on medium soils, or 1.0-1.33 pts./A on fine soils. Apply PARALLEL PCS preplant incorporated or preemergence in Area 1 at 1.0 pt./A on sandy loams, 1.0-1.33 pts./A on medium soils, or 1.33 pts./A on fine soils. Apply PARALLEL PCS postemergence to cotton and preemergence to weeds at 0.75-1.33 pts./A, according to the state rate limitations in the following Postemergence section. Do not use on sands and loamy sand.

Area 1 = AR, LA, MS, TN, and Bootheel of MO

**Area 2 = NM, OK, and TX

2. 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 PARALLEL PCS preplant incorporated at the maximum rate for the soil texture, whether applied alone or mixed with Caparol 4L.

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

4. Postemergence: Apply PARALLEL PCS broadcast over-the-top or directed to the soil surface, according to the rate and cotton height limitations listed below by state. Application before weeds emerge or after clean cultivation to remove existing weeds is necessary since PARALLEL PCS will not control emerged weeds. PARALLEL PCS postemergence may be applied over any previous registered herbicide treatment. In sprinkler-irrigated areas, sprinker-irrigate after application with ½-1 inch of water (½ inch on coarse-textured soils to 1 inch on fine-textured soils) to incorporate PARALLEL PCS. In furrow-irrigated areas, apply PARALLEL PCS, incorporate with a rolling cultivator or similar implement that provides uniform shallow incorporation (2 inches or less), and then irrigate. In non-irrigated areas, if at least ½ inch of rainfall does not occur within 10 days after application, cultivate with a rolling cultivator or similar implement that provides uniform shallow incorporation of PARALLEL PCS.

VA, NC, SC, GA, FL, and AL: Apply PARALLEL PCS at 1.0-1.33 pts./A when cotton is 3-8 inches tall.

TN, AR, MS, MO, and LA: Apply PARALLEL PCS at 0.75-1.33 pts./A when cotton is 3-12 inches tall.

TX, OK, NM, AZ, CA, and Clay Soils in AR: Apply PARALLEL PCS at 1.0-1.33 pts./A when cotton is 3-12 inches tall but before August 1.
5. Multiple Applications: Where weed pressure is heavy, difficult to control and/or injury may occur; (5) Do not apply on Taloka silt loam. (6) Do not use in broadcast treatments. Do not apply over-the-top in fluid fertilizer or any other adjuvant, surfactant, or illegal residues may result.

Precautions: To avoid crop injury, (1) Do not apply PARALLEL PCS 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 PARALLEL PCS to cotton planted in furrows more than 2 inches deep. Band applications may be made to cotton planted in furrows deeper than 2 inches, but band width should not exceed the width of the bottom of the furrow; (3) In furrow-planted cotton, to avoid concentration in the furrow and potential injury, do not apply PARALLEL PCS postemergence until after first “knifing” or cultivation to level soil surface. (4) Do not apply over-the-top in fluid fertilizer or any other adjuvant, surfactant, oil, or other pesticide not recommended in the cotton section of this label or injury may occur; (5) Do not apply on Taloka silt loam. (6) Do not use in Gaines County, TX.

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

### Table 3: PARALLEL PCS + Caparol 4L – Cotton (NM, OK, TX)

<table>
<thead>
<tr>
<th>USE AREAS</th>
<th>SOIL TEXTURE</th>
<th>PARALLEL PCS Pts. / A</th>
<th>CAPAROL 4L Pts. / A</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL</td>
<td>Sand, loamy sand</td>
<td>0.85-1.33 pts.</td>
<td>2.4 pts.</td>
</tr>
<tr>
<td>OK, and Blacklands and Gulf Coast of TX</td>
<td>Loams</td>
<td>0.85-1.33 pts.</td>
<td>3.2 pts.</td>
</tr>
<tr>
<td>Rio Grande Valley of TX</td>
<td>Clays</td>
<td>1.33 pts.</td>
<td>4.8 pts.</td>
</tr>
<tr>
<td>NM High Plains, Rolling Plains, Edwards</td>
<td>Sandy loam</td>
<td>0.85-1.33 pts.</td>
<td>2.4 pts.</td>
</tr>
<tr>
<td>Edwards Plateau of TX, and Southwest TX</td>
<td>Sandy clay loams</td>
<td>1.33 pts.</td>
<td>2.4 pts.</td>
</tr>
<tr>
<td></td>
<td>Other clay soils</td>
<td>1.33 pts.</td>
<td>3.2 pts.</td>
</tr>
</tbody>
</table>

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

Apply PARALLEL PCS + Caparol 4L in a minimum of 20 gals. of spray volume per acre. Follow the directions, limitations, and precautions on the Caparol 4L label when Caparol is applied as a postemergence-directed application. Refer to the directions, limitations, and precautions for use of PARALLEL PCS under the Cotton-PARALLEL PCS Alone-Postemergence section.
Precautions: (1) To avoid concentration in the seed furrow, do not make broadcast applications of PARALLEL PCS + Caparol 4L to cotton planted in furrows deeper than 2 inches. 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 sandy 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.

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

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

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

Mixing Instructions: Incompatibility may occur when tank mixing PARALLEL PCS and Cotoran DF. To help overcome this condition, fill the spray tank ¼ 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 pts./100 gals.), then add the PARALLEL PCS, and finally the rest of the water or fluid fertilizer. Agitate during mixing and application to maintain a uniform suspension. Do not use fluid fertilizer as a carrier for postemergence applications.

Table 4: PARALLEL PCS + Cotoran DF-Cotton

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
<th>PARALLEL PCS (PTS.)</th>
<th>COTORAN DF*** (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand, loamy sand</td>
<td>DO NOT USE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandy loam</td>
<td>0.75-1.0</td>
<td>0.85-1.0</td>
<td>1.2</td>
</tr>
<tr>
<td>Loam, silt, silt loam</td>
<td>1.0-1.33</td>
<td>1.0-1.33</td>
<td>1.2-1.9</td>
</tr>
<tr>
<td>Fine soil</td>
<td>1.0-1.33</td>
<td>1.33</td>
<td>1.9-2.4</td>
</tr>
</tbody>
</table>

*Area 1 = AR, MI, MN, Nebraska, and WI
**Area 2 = Eastern OK, Gulf Coast, Rio Grande Valley, and Eastern TX
***When using Cotoran 4L, use equivalent rates. Multiply lbs. of Cotoran DF by 1.7 to get pts. of Cotoran 4L

Postemergence: This tank mixture may be applied postemergence to cotton but preemergence to weeds or postemergence to both cotton and weeds for control of weeds on the Cotoran label. Apply as a directed, semi-directed, or over-the-top spray. PARALLEL PCS will not control emerged weeds but will provide preemergence control of species on its label. Apply when cotton is in the 3- to 12-inch stage. Where rate ranges are given for Cotoran DF, use the higher rate when applying postemergence to weeds that are 2 inches or less. These treatments may be applied over previous registered treatments, including PARALLEL PCS, provided the maximum label rate of any product is not exceeded.

Precautions: (1) Do not apply PARALLEL PCS + 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 PARALLEL PCS + 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.

Restriction: To avoid possible illegal residues, do not feed treated forage or gin trash to livestock or grazed treated areas.

3. Tank Mixture of PARALLEL PCS or PARALLEL PCS + Cotoran with Gramoxone Extra or Roundup for Minimum-Tillage or No-Tillage Systems

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

Application: Apply before, during, or after planting, but before the cotton emerges, at the rates specified below. Apply PARALLEL PCS at 0.85-1.0 pts./A on sandy loams, medium-, and fine-textured soils. Refer to Table 4 for the Cotoran DF rates.

Add Gramoxone Extra 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 inches, 3-6 inches, or 6-inch tall weeds, respectively. Apply surfactant at 1 or 2 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 parquat will be reduced.

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

**Note**: Do not apply PARALLEL PCS + Cotoran 4L + Roundup in tank mixture because of compatibility problems.
Apply in 20-60 gals. of water or fluid fertilizer per acre with ground equipment.

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

4. Tank Mixture with MSMA, MSMA + Caparol, or MSMA + Cotoran PARALLEL PCS may be tank mixed with MSMA in water and applied postemergence directed for control of emerged weeds listed on the MSMA product label and residual preemergence control of weeds controlled by PARALLEL PCS. The addition of Caparol or Cotoran will add control of weed species on their respective labels.

Postemergence-Directed (AR, AZ, CA, LA, MS, NM, OK, TN, TX, and Bootheel of MO): Apply PARALLEL PCS + MSMA postemergence-directed to 3- to 12-inch cotton according to the directions, limitations, and precautions on the MSMA product label, as well as the directions, limitations, and precautions for use of PARALLEL PCS in the section for Cotton-PARALLEL PCS Alone-Postemergence. Do not apply after first cotton bloom. These treatments may be applied over previous registered treatments, including PARALLEL PCS, provided the maximum label rate of any product is not exceeded. Cotoran or Caparol may be added to the PARALLEL PCS + MSMA tank mixture according to the respective label directions for application to 3- to 12-inch cotton. When these mixtures are used, follow the mixing instructions for PARALLEL PCS + Caparol or Cotoran and then add the MSMA product.

Do not use PARALLEL PCS in tank mix with premixes of MSMA plus herbicides other than those registered for use in tank mixtures with PARALLEL PCS on cotton.

PARALLEL PCS ALONE
Apply PARALLEL PCS, either preplant incorporated, postplant incorporated, preemergence, or lay-by, using the appropriate rate specified below. Preplant Incorporated or Preemergence: Follow instructions for use of PARALLEL PCS alone under Application Procedures. Postplant Incorporated: Apply and incorporate PARALLEL PCS into the soil after planting but before peanut germination. Incorporation depth and incorporating implements must be kept above the seed or seed will be damaged. Lay-by: Apply PARALLEL PCS to the soil immediately after the last normal cultivation. Apply PARALLEL PCS alone, preplant incorporated, postplant incorporated, preemergence, or lay-by, at a broadcast rate of 1.0-1.33 pts./A in the SouthEast* and 0.85-1.33 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.

Note: PARALLEL PCS alone may be applied as directed after any of the following preplant incorporated herbicides when used according to their label recommendations: Balan at 3-4 qts./A; Trelfan E.C. at 1 pt./A; Vernam® at 2.33-3 pts./A; Sonalan at 1.25-3 pts./A; Pursuit at 0.25 pt./A; or Prowl at 1-2 pts./A.

Restrictions: (1) Do not graze or feed peanut forage or fodder to livestock for 30 days following application. (2) Do not apply within 90 days of harvest or illegal residues may result.

PARALLEL PCS COMBINATIONS
1. Tank Mixture with Balan L.C.
PARALLEL PCS + Balan tank mixture applied preplant incorporated controls those weeds listed under PARALLEL PCS Applied Alone and those weeds as listed on the Balan label.

2. Multiple Applications
Where weed pressure is heavy or where species difficult to control are expected, PARALLEL PCS is most effective when used as follows:

a. Southeast Only (AL, FL, GA, SC, VA)
1st Application: Apply PARALLEL PCS preplant incorporated as directed under Peanuts-PARALLEL PCS Alone or apply PARALLEL PCS + Balan preplant incorporated as directed previously in this section. Refer to the respective section for weeds controlled.

2nd Application: Apply PARALLEL PCS any time from preemergence up to “ground cracking” at 1.0-2.0 pts./A for extended control of weeds not yet emerged. Refer to the PARALLEL PCS Applied Alone section for a list of weeds controlled.

3rd Application: Apply PARALLEL PCS at lay-by as directed under Peanuts-PARALLEL PCS Alone. Use only when late germinating weeds are expected to be a problem. Refer to the PARALLEL PCS Applied Alone section for a list of weeds controlled.

Note: Do not apply more than the equivalent of 2.66 pts. of PARALLEL PCS per acre during any one year or illegal residues may result. This includes PARALLEL and PARALLEL PCS, but do not use PARALLEL after peanuts have emerged.

Restrictions: (1) Do not graze or feed peanut forage or fodder to livestock for 30 days following application. (2) Do not apply within 90 days of harvest or illegal residues may result.

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

2nd Application: Apply PARALLEL PCS at lay-by as directed under Peanuts-PARALLEL PCS Alone. Use only when late germinating weeds are expected to be a problem. Refer to the PARALLEL PCS Applied Alone section for a list of weeds controlled.

Note: Do not apply more than the equivalent of 2.67 pts. of PARALLEL PCS per acre during any one year or illegal residues may result. This includes PARALLEL or PARALLEL PCS, but do not use PARALLEL after peanuts have emerged.
Restrictions: (1) Do not graze or feed peanut forage or fodder to livestock for 30 days following application. (2) Do not apply within 90 days of harvest or illegal residues may result.

3. Tank Mixture or Sequentially with Pursuit
The tank mixture or sequential treatment of PARALLEL PCS and Pursuit controls all weeds controlled by PARALLEL PCS alone and by Pursuit alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Pursuit label for weeds controlled by Pursuit. Refer to the respective labels for application methods, timing, rates, restrictions, and precautions; and use in accordance with the more restrictive label. Do not exceed the label rate of either product. PARALLEL PCS will not control emerged weeds.

4. Tank Mixture with Sonalan
The tank mixture controls all weeds controlled by PARALLEL PCS alone and by Sonalan alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Sonalan label for weeds controlled by Sonalan.

Apply PARALLEL PCS + Sonalan preplant incorporated, using the appropriate rate from Table 5. Follow recommended soil preparation procedures for Sonalan. Refer to the Peanut Sonalan/PARALLEL PCS Tank Mixture label for incorporation specifications.

Table 5: PARALLEL PCS + Sonalan-Peanuts

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>Broadcast Rates Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>COARSE</td>
<td>1.0 - 1.33 pts.</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>1.0 - 1.33 pts.</td>
</tr>
<tr>
<td>FINE</td>
<td>1.0 - 1.33 pts.</td>
</tr>
</tbody>
</table>

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

5. Tank Mixture with Prowl
PARALLEL PCS + Prowl applied preplant incorporated controls all weeds controlled by PARALLEL PCS alone plus Texas panicum, field sandbur, johnsongrass from seed, lambsquarters, kochia, annual spurge, and other species on the Prowl label. Apply PARALLEL PCS + 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 PARALLEL PCS + Prowl preplant incorporated using the appropriate rates from Table 6.

Table 6: PARALLEL PCS + Prowl-Peanuts

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>Broadcast Rates Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NM, OK, TX</td>
</tr>
<tr>
<td>PARALLEL PCS + PROWL</td>
<td>PARALLEL PCS + PROWL</td>
</tr>
<tr>
<td>Sand, loamy sand</td>
<td>0.85 - 1.0 - 1.5 pts.</td>
</tr>
<tr>
<td>Sandy loam</td>
<td>0.85 - 1.0 - 1.5 pts.</td>
</tr>
<tr>
<td>Fine soil</td>
<td>1.33 + 1.0 - 1.5 pts.</td>
</tr>
</tbody>
</table>

Note: Follow all use directions, limitations, precautions, and information regarding application to peanuts on the PARALLEL PCS and Prowl labels.

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

7. Tank Mixture or Sequentially with Starfire + Basagran
The addition of Basagran to the PARALLEL PCS + Starfire mixture will result in improved control of such problem broadleaf weeds as prickly sida, cocklebur, smartweed, and bristly starbur. PARALLEL PCS + Starfire + Basagran applied at ground cracking or sequentially will control or suppress small (1-6 inch) emerged annual grass and broadleaf weeds and provide residual control of weed species listed in the PARALLEL PCS Applied Alone section of this label. Apply 1 pt./A of Basagran + 11 fl. oz./A of Starfire with the appropriate PARALLEL PCS rate from the Peanuts-PARALLEL PCS Alone section in a minimum spray volume of 20 gals./A with ground equipment. A second application of PARALLEL PCS + Starfire + Basagran may be made 28 days after ground cracking. (Refer to the Peanuts-PARALLEL PCS Combinations-Multiple Applications section of this label for geographical areas where multiple applications are recommended.) A second Starfire + Basagran application may be made in all peanut growing areas, if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

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

9. Tank Mixture or Sequentially with Basagran
PARALLEL PCS + Basagran applied at ground cracking or sequentially will control species on the Basagran label and provide residual control of species listed in the **PARALLEL PCS Applied Alone** section of this label. Apply 1-2 pts./A of Basagran in 20 gals./A, depending on weed species and stage of growth as specified on the Basagran label, with the appropriate PARALLEL PCS rate from the **Peanuts-PARALLEL PCS Alone** section. A second application of the combination may be made before peanut pegging. (Refer to the **Peanuts-PARALLEL PCS Combinations-Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Basagran application may be made in all peanut growing areas if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

10. Tank Mixture or Sequentially with Basagran + Butoxone 200 or Butoxone 200
PARALLEL PCS + Basagran + Butoxone 200 or Butoxone 200 applied at ground cracking or sequentially will control species on the Basagran label and on the Butoxone or Butoxone labels, especially morningglories. Apply 1.5-2 pts./A of Basagran + 8 fl. oz./A of Butoxone 200 or Butoxone 200 in 20 gals./A, depending on weed species and stage of growth as specified on the Basagran label, with the appropriate PARALLEL PCS rate from the **Peanuts-PARALLEL PCS Alone** section. A second application of the combination may be made before peanut pegging. (Refer to the **Peanuts-PARALLEL PCS Combinations-Multiple Applications** section of this label for geographical areas where multiple applications are recommended.) A second Basagran + Butoxone 200 application may be made in all peanut growing areas if needed. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

11. Tank Mixture or Sequentially with Storm
PARALLEL PCS + Storm applied at ground cracking through 2 expanded tetrafoliates leaves or PARALLEL PCS applied according to the directions for **PARALLEL PCS Alone** and followed with an at-cracking through postemergence treatment of Storm as specified on its label will control species on the Storm label and provide residual control of species listed in the **PARALLEL PCS Applied Alone** section of this label. PARALLEL PCS will not control emerged weeds. Refer to the **Peanuts-PARALLEL PCS Alone** section and to the Storm label and follow all directions, limitations, and restrictions for each product.

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

*On English peas, use only preemergence applications. Do not use on English peas in northeastern U.S. or injury may occur.

**PARALLEL PCS ALONE**
Apply PARALLEL PCS, either preplant incorporated or preemergence, using the appropriate rate specified below. **Preplant Incorporated or Preemergence:** Follow instructions for use of PARALLEL PCS alone under Application Procedures. On coarse soils with less than 3% organic matter, apply 1.0-1.33 pts./A of PARALLEL PCS or 1.33 pts./A if organic matter is 3% or greater. On medium soils, apply 1.33-1.67 pts./A of PARALLEL PCS. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS if organic matter content is less than 3%, or 1.67-2 pts./A if organic matter content is 3% or greater.

**Note:** (1) Do not cut for hay within 120 days following an PARALLEL PCS application or illegal residues may result, and (2) Do not apply more than 3.0 pts./A of PARALLEL PCS during any one crop year.

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

1. Tank Mixture and Sequential Applications with Eptam-Beans (Green or Dry)
This mixture controls all weeds controlled by PARALLEL PCS alone and by Eptam alone. Refer to the **PARALLEL PCS Applied Alone** section of this label for weeds controlled by PARALLEL PCS alone and to the Eptam label for weeds controlled by Eptam.

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

Refer to the Product 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 PARALLEL PCS as specified. On coarse soils, apply 0.85 pt./A of PARALLEL PCS 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 PARALLEL PCS 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 PARALLEL PCS 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.

2. Tank Mixture with Treffan-Beans (Dry-Kidney, Navy, Pinto, etc.; Lima; and Snap)
PARALLEL PCS + Treffan tank mix applied preplant incorporated controls those weeds listed under **PARALLEL PCS Applied Alone** and those weeds listed for Treffan alone on the Treffan label. PARALLEL PCS + Treffan may be applied by ground or by aerial equipment and incorporated up to 14 days prior to planting. Follow the recommended procedures on this label and on the respective Treffan label using equipment that provides uniform 2-inch incorporation.

Apply PARALLEL PCS + Treffan tank mix using the appropriate PARALLEL PCS rate specified for PARALLEL PCS alone, and the Treffan 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-PARALLEL PCS Alone section of this label.

### POTATOES

**PARALLEL PCS ALONE**

Apply PARALLEL PCS, either incorporated, preemergence, or after hilling/lay-by, according to directions specified below for control of weeds listed under the Product 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.

**Incorporated:** Apply PARALLEL PCS at 1.0-2.0 pts./A 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 PARALLEL PCS in the top 2 inches of soil. Do not damage potato seed pieces or sprouts with incorporation equipment.

**Preemergence:** Apply PARALLEL PCS 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 2.75 pts./A of PARALLEL PCS alone may be used where soil organic matter is between 6% and 20%.

**After Hilling/Lay-by:** Apply 1.67 pts./A of PARALLEL PCS after hilling/at lay-by to control PARALLEL PCS-sensitive species for remainder of the growing season. This application will not control emerged weeds. It may be applied over a previous PARALLEL PCS application but do not apply more than 3.7 pts./A of PARALLEL PCS in a single crop season.

Precautions: (1) Do not use on muck or peat soils. If cool, wet soil conditions occur after application, PARALLEL PCS may delay maturity and/or reduce yield of Superior and other early maturing potato varieties. To avoid crop injury, (2) Do not use PARALLEL PCS on Sands or loamy sands, (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 PARALLEL PCS should not be harvested within 60 days after the at-planting to drag-off application or within 40 days after a lay-by application or illegal residues may result.

**PARALLEL PCS COMBINATIONS**

1. **Tank Mixture with Sencor or Lexone**

   In addition to those weeds controlled by PARALLEL PCS alone, PARALLEL PCS applied in tank mix combination with, or sequentially with, any of the registered Sencor or Lexone formulations, also controls the following broadleaf weeds: cocklebur*, hairy nightshade*, hemp sesbania, jimsonweed*, lambsquarters, prickly sida, ragweed, smartweed, velvetleaf, Venice mallow, and wild mustard.

   *Partially controlled.

   PARALLEL PCS at 1.0-2.0 pts./A plus the labeled Sencor/Lexone use rate may be used preemergence through after last hilling. Apply 1.0-1.33 pts./A of PARALLEL PCS 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. PARALLEL PCS will not control emerged weeds.

   Refer to the Sencor or Lexone labels for precautionary statements, restrictions, application information, and weeds controlled.

   Precautions: (1) Postemergence applications to potatoes should be made only as a directed or semi-directed spray to avoid chlorosis, minor necrosis, or leaf distortion. To avoid crop injury, (2) Do not use PARALLEL PCS + Sencor or Lexone on potatoes in Kern County, CA, and (3) Do not apply to sweet potatoes or yams. (4) Do not use this tank mixture on muck or peat soils.

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

2. **PARALLEL PCS + Lorox Tank Mixture (East of Rocky Mountains)**

   PARALLEL PCS 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: PARALLEL PCS + Lorox-Potatoes (East of Rocky Mountains)**

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>1% to Less Than 3% Organic Matter</th>
<th>3% to 5% Organic Matter</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARALLEL PCS</td>
<td>Lorox*</td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>Coarse Sandy loam</td>
<td>1.0 pt.</td>
<td>1.0-1.5 lbs.</td>
</tr>
<tr>
<td>Medium Loam, silt loam, silt</td>
<td>1.33 pts.</td>
<td>1.5-2.0 lbs.</td>
</tr>
</tbody>
</table>

   *When using Lorox L or Lorox DF, use equivalent rates. One pt. of Lorox L equals 1 lb. of Lorox DF.

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

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

3. **Tank Mixture with Prowl 4E**

   In addition to the weeds controlled by PARALLEL PCS 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 PARALLEL PCS + Prowl 4E preemergence, preemergence incorporated, or early postemergence, according to the specific directions on the Prowl 4E label, using the rates in Table 8.
Preplant Incorporated or Preemergence: Follow instructions for use of PARALLEL PCS alone under Application Procedures.

For coarse soils, apply 1.0-1.33 pts./A of PARALLEL PCS 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 PARALLEL PCS. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS 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®)

PARALLEL PCS ALONE

Apply PARALLEL PCS, either preplant surface, preplant incorporated, or pre-emergence, using the appropriate rate specified below. Apply PARALLEL PCS 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 PARALLEL PCS under Application Procedures. For minimum-tillage or no-tillage systems only, PARALLEL PCS may be applied up to 45 days prior to 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 1.50 pts./A of PARALLEL PCS 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 PARALLEL PCS on coarse soils not more than 2 weeks prior to planting. Under dry conditions, irrigation after application is recommended to move PARALLEL PCS into the soil.

Preplant Incorporated or Preemergence: Refer to instructions for use of PARALLEL PCS under Application Procedures. Broadcast 1.0-1.33 pts./A of PARALLEL PCS on coarse soils, 1.33-1.50 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, PARALLEL PCS will severely injure the crop. (2) Under high soil moisture conditions prior to sorghum emergence, injury may occur following the use of PARALLEL PCS. The crop will normally outgrow this effect. (3) Do not use PARALLEL PCS 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.

PARALLEL PCS COMBINATIONS

PARALLEL PCS tank mixtures with AAtrex may be applied in water or fluid fertilizer. Apply PARALLEL PCS 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 PARALLEL PCS in tank mixture with AAtrex, all the restrictions and rate limitations on the AAtrex label must be followed if more restrictive/protective than those on this label. In addition, if AAtrex is/must be applied at rates lower than those recommended on this label, broadleaf weed control may be affected. Refer to the AAtrex label for weeds controlled at the reduced rates.

Precautions: (1) Applications of PARALLEL PCS + 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, PARALLEL PCS + AAtrex may severely injure the crop. (3) Under high soil moisture conditions prior to sorghum emergence, injury may occur following the use of PARALLEL PCS + AAtrex. The crop will normally outgrow this effect. (4) Do not use PARALLEL PCS + 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.

1. Tank Mixture with AAtrex

In addition to the weeds controlled by PARALLEL PCS alone, PARALLEL PCS + 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 PARALLEL PCS under Application Procedures. For minimum-tillage or no-tillage systems only, PARALLEL PCS + 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 1.50 pts./A of PARALLEL PCS + 1.7-2 lbs./A of AAtrex Nine-O® on medium soils with 1.5% organic matter or greater. Apply 1.50 pts./A of PARALLEL PCS + 1.7-2 lbs./A of AAtrex Nine-O® on fine soils with less than 1.5% organic matter, or apply 1.67 pts./A of PARALLEL PCS + 2.2-2.2 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 PARALLEL PCS + 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 PARALLEL PCS under Application Procedures. On medium soils with 1.5% organic matter or greater, apply 1.0 pt./A of PARALLEL PCS + 1.3 lbs./A of AAtrex Nine-O®. On fine soils with less than 1.5% organic matter, apply 1.0...
Preplant Surface-Applied

A. Fall Application (Apply after September 30 in MN, ND, SD, WI and North of Route 30 in IA; Apply after October 15 north of Route 31 in NE and South of Route 30 in IA; Apply after October 31 north of Route 136 in IL): In all locations, apply to crop stubble after harvest when the sustained soil temperature at a 4-inch depth is less than 55°F and falling. In minimum-till or no-tillage systems on soils having greater than 2.5% organic matter, use 1.67-2.0 pts./A on medium-textured and 2.0 pts./A on fine-textured soils. Do not apply to frozen ground. A tillage operation may precede the application. A fall and/or a spring tillage may follow application, but do not exceed an incorporation depth greater than 2-3 inches. Minimize furrow and ridge formation in the tillage operations. Note: If a spring application is made, the total rate of the fall plus spring applications must not exceed the maximum total rate for soybeans or illegal residues may result.

B. 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, NE, NH, NY, OH, PA, RI, SD, TN, VA, VT, WI, WV, and WY. Apply 2/3 the recommended rate of PARALLEL PCS (1.67 pts./A on medium soils and 2.0 pts./A on fine soils) as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days before planting may be as either a split or single treatment. Apply 1.33 pts./A on coarse soils not more than 2 weeks prior to planting.

Preplant Incorporated or Preemergence: On coarse soils, apply 1.0-1.33 pts./A of PARALLEL PCS if organic matter content is less than 3%, or 1.33 pts./A if organic matter content is 3%-5% or greater. On medium soils, apply 1.33-1.67 pts./A of PARALLEL PCS. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS 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, PARALLEL PCS may be used up to 2.75 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 PARALLEL PCS rate applied to soybeans during any one crop should not exceed 2.75 pts./A.

PARALLEL PCS COMBINATIONS

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

Note: For all of the following combinations, PARALLEL PCS may be used up to 2.5 pts./A on soils having an organic matter content between 6% and 20%. The total PARALLEL PCS rate applied to soybeans during any one crop year should not exceed 2.75 pts./A.

1. Tank Mixture with Sencor or Lexone

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

*Partially controlled.

Apply PARALLEL PCS and Sencor or Lexone preplant incorporated or preemergence using the appropriate rates from Table 9. Preplant Incorporated or Preemergence: Follow instructions for use of PARALLEL PCS alone under Application Procedures.
Sequential: Apply PARALLEL PCS alone Preplant Incorporated, as specified in Table 9 for this tank mixture. Follow with a preemergence application of Sencor or Lexone during planting (behind the planter) or after planting but before weeds or soybeans emerge.

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

### Table 9: PARALLEL PCS + Sencor or Lexone-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE**</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5% to Less Than 3% Organic Matter</td>
</tr>
<tr>
<td>PARALLEL PCS + Sencor/Lexone DF*</td>
<td>PARALLEL PCS + Sencor/Lexone DF*</td>
</tr>
<tr>
<td>Coarse (Loamy sand (over 2% organic matter), sandy loam)</td>
<td>0.85-1.0 pt. + 0.33 lb.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0-1.33 pts. + 0.5 lb.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts. + 0.67 lb.</td>
</tr>
<tr>
<td>Mississippi Delta only (Silty clay, clay)</td>
<td>1.33 pts. + 1.0 lb.</td>
</tr>
<tr>
<td>Muck or Peat (soils with more than 20% organic matter)</td>
<td>DO NOT USE</td>
</tr>
</tbody>
</table>

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

**On all sand and on loamy sand with less than 2% organic matter, do not use this tank mixture 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.

2. Tank Mixture with Lorox

In addition to those weeds controlled by PARALLEL PCS alone, PARALLEL PCS + 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: PARALLEL PCS + Lorox-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE*</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5% to Less Than 3% Organic Matter</td>
</tr>
<tr>
<td>PARALLEL PCS + Lorox DF***</td>
<td>PARALLEL PCS + Lorox DF***</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt. + 1 lb.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt. + 1-1.5 lbs.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts. + 2 lbs.</td>
</tr>
</tbody>
</table>

*Do not use on sand, gravelly soils, or exposed subsoils.

**Do not use on loamy sand except in the northeastern U.S. on loamy sand with over 1% organic matter.

***When using Lorox L or Lorox DF, use equivalent rates. One pt. of Lorox L equals 1 lb. of Lorox DF.

3. Tank Mixture with Treflan

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

Apply PARALLEL PCS + Treflan tank mix, using the appropriate rate from the Soybeans-PARALLEL PCS 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 listed in Table 11.

### Table 11: PARALLEL PCS + Treflan-Organic Matter Content Less Than 3%

<table>
<thead>
<tr>
<th>SOIL TEXTURE**</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>Organic Matter Less Than 3%</td>
<td>Less Than 2%</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 - 1.0 pt.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
</tr>
</tbody>
</table>

*Where a range of rates is given for PARALLEL PCS, 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-PARALLEL PCS Alone section of this label.
4. Tank Mixture with Scepter
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Scepter alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS 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 PARALLEL PCS + 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: PARALLEL PCS + Scepter-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
<th>0.5-3% Organic Matter</th>
<th>3% or More Organic Matter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PARALLEL PCS</td>
<td>Scepter</td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt.</td>
<td>0.67 pt.</td>
<td>1.0 pt.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
<td>0.67 pt.</td>
<td>1.33 pts.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
<td>0.67 pt.</td>
<td>1.33-1.67 pts.*</td>
</tr>
<tr>
<td>Muck or Peat</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Use the higher rate of PARALLEL PCS 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.

5. Tank Mixture with Lorox Plus
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Lorox Plus alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Lorox Plus label for weeds controlled by Lorox Plus.

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

Table 13: PARALLEL PCS + Lorox Plus-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
<th>0.5-3% Organic Matter</th>
<th>3% or More Organic Matter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PARALLEL PCS</td>
<td>Lorox Plus (60DF)</td>
<td>Lorox Plus (60DF)</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt.</td>
<td>12-14 oz.</td>
<td>16-18 oz.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
<td>16-20 oz.</td>
<td>20-24 oz.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
<td>16-18 oz.</td>
<td>20-24 oz.</td>
</tr>
</tbody>
</table>

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

6. Tank Mixture with Gemini
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Gemini alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Gemini label for weeds controlled by Gemini.

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

Table 14: PARALLEL PCS + Gemini-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
<th>0.5-3% Organic Matter</th>
<th>3% or More Organic Matter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PARALLEL PCS</td>
<td>Gemini (60DF)</td>
<td>Gemini (60DF)</td>
</tr>
<tr>
<td>Coarse (Sandy loam only)</td>
<td>0.85 pt.</td>
<td>12-16 oz.</td>
<td>16-20 oz.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
<td>16-20 oz.</td>
<td>20-24 oz.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
<td>16-20 oz.</td>
<td>20-24 oz.</td>
</tr>
</tbody>
</table>

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

7. Tank Mixture with Canopy
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Canopy alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Canopy label for weeds controlled by Canopy.

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

Table 15: PARALLEL PCS + Canopy-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
<th>0.5-3% Organic Matter</th>
<th>3% or More Organic Matter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PARALLEL PCS</td>
<td>Canopy</td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt.</td>
<td>1.0 pt.</td>
<td>1.33-1.67 pts.*</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
<td>1.33 pts.</td>
<td>2.0-2.67 pts.*</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
<td>1.33-1.67 pts.*</td>
<td>2.0-2.67 pts.*</td>
</tr>
</tbody>
</table>

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

Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 7.0, except as noted on the Canopy label.
8. Tank Mixture with Preview
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Preview alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Preview label for weeds controlled by Preview.

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

Note: Follow all use directions, varietal restrictions, limitations, precautions, and information regarding application to soybeans, and rotational restrictions on the PARALLEL PCS and Preview labels.

Table 16: PARALLEL PCS + Preview-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5% to Less Than 3% Organic Matter</td>
</tr>
<tr>
<td>PARALLEL PCS</td>
<td>Preview 75DF</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
</tr>
</tbody>
</table>

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

9. Tank Mixture with Command*
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Command alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Command label for weeds controlled by Command.

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

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

Table 17: PARALLEL PCS + Command-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5-3% Organic Matter</td>
</tr>
<tr>
<td>PARALLEL PCS</td>
<td>Command 4E</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
</tr>
</tbody>
</table>

10. Tank Mixture with Sonalan
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Sonalan alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS and to the Sonalan label for weeds controlled by Sonalan.

Apply PARALLEL PCS and Sonalan preplant incorporated using the appropriate rates from Table 18.

Preplant Incorporated: Follow recommended soil preparation procedures for Sonalan. Refer to the Sonalan/ PARALLEL PCS Tank Mixture label for incorporation specifications.

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

Table 18: PARALLEL PCS + Sonalan-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Less Than 3% Organic Matter</td>
</tr>
<tr>
<td></td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>Coarse</td>
<td>1.0-1.33 pts.</td>
</tr>
<tr>
<td>Medium*</td>
<td>1.33-1.67 pts.</td>
</tr>
<tr>
<td>Fine*</td>
<td>1.33-1.67 pts.</td>
</tr>
<tr>
<td>Muck or Peat (soils with more than 20% organic matter)</td>
<td>DO NOT USE</td>
</tr>
</tbody>
</table>

*For eastern black nightshade on these soils, apply Sonalan at 3 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 PARALLEL PCS and Sonalan labels.

11. Tank Mixture with Pursuit
This tank mixture controls all weeds controlled by PARALLEL PCS alone and by Pursuit alone. Refer to the PARALLEL PCS Applied Alone section for weeds controlled by PARALLEL PCS 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 PARALLEL PCS + Pursuit early preplant, preplant incorporated, or preemergence after planting using rates in Table 19. Application can be made in water or liquid fertilizer. Follow all use directions under Soil Applications on the Pursuit label. For early preplant and preplant incorporated applications, apply within 30 days before planting.

Note: Follow all use directions, limitations, precautions, information regarding application to soybeans, and rotational restrictions on the PARALLEL PCS and Pursuit labels.
Sequential: Apply PARALLEL PCS early preplant, preplant incorporated, or preemergence after planting at 0.85 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. PARALLEL PCS 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.

12. Tank Mixture with Lexone, Sencor, Scepter, Lorox, Lorox Plus, Gemini, Canopy, Preview, or Pursuit, plus Gramoxone Extra or Roundup for Minimum-Tillage or No-Tillage Systems

In minimum-tillage or no-tillage systems where soybeans are planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides Gramoxone Extra or Roundup may be added to a tank mix of either PARALLEL PCS + Sencor or Lexone, PARALLEL PCS + Scepter, PARALLEL PCS + Lorox, PARALLEL PCS + Lorox Plus, PARALLEL PCS + Gemini, PARALLEL PCS + Canopy, PARALLEL PCS + Preview, or PARALLEL PCS + Pursuit. When used as directed, the Gramoxone Extra portion of the tank mixture controls most emerged weeds and suppresses many perennial weeds. Roundup combinations will control emerged annual and perennial weeds when applied as directed on the Roundup label. The PARALLEL PCS + Sencor / Lexone, Lorox, Lorox Plus, Gemini, Canopy, Preview, or Pursuit portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for PARALLEL PCS + Sencor / Lexone, PARALLEL PCS + Scepter, PARALLEL PCS + Lorox, PARALLEL PCS + Lorox Plus, PARALLEL PCS + Gemini, PARALLEL PCS + Canopy, PARALLEL PCS + Preview, and PARALLEL PCS + 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 or Roundup, PARALLEL PCS + Sencor / Lexone, PARALLEL PCS + Scepter, PARALLEL PCS + Lorox, PARALLEL PCS + Lorox Plus, PARALLEL PCS + Gemini, PARALLEL PCS + Canopy, PARALLEL PCS + Preview, and PARALLEL PCS + Pursuit, respectively.

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

Gramoxone Extra: 1.5-2.5, 2.5-3.0 pts./A to 1-3 inches, 3-6 inches, or 6-inch tall weeds, respectively. Apply surfactant at 1 or 2 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 with type liquid fertilizers as the activity of paraquat will be reduced.

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

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

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

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

Precautions: To avoid crop injury: (1) Do not use this tank mixture on soil with less than 0.5% organic matter, on alkaline soil with a pH over 7.4, or on all sand and 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.

PARALLEL PCS + Scepter + Gramoxone Extra or Roundup
On coarse soils, apply 1.0 pt./A of PARALLEL PCS + 0.67 pt./A of Scepter. On medium soils, apply 1.33 pts./A of PARALLEL PCS + 0.67 pt./A of Scepter. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS + 0.67 lb./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.

PARALLEL PCS + Lorox + Gramoxone Extra or Roundup
On coarse soils*, apply 1.0 pt./A of PARALLEL PCS + 1-1.5 lbs./A of Lorox DF**. On medium soils, apply 1.33 pts./A of PARALLEL PCS + 1-2 lbs./A of Lorox DF. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS + 2-3 lbs./A of Lorox DF.

* Do not use on loamy sand except in the northeastern U.S. on loamy sand with over 1% organic matter or injury may occur. Do not use on sand, gravelly soils, or exposed subsoils or injury may occur.

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

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

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

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

PARALLEL PCS + Gemini + Gramoxone Extra or Roundup
Use only where soils have 0.5-3% organic matter. On coarse soils (sandy

Table 19: PARALLEL PCS + Pursuit-Soybeans

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>BROADCAST RATES PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Less Than 3% Organic Matter</td>
</tr>
<tr>
<td></td>
<td>PARALLEL PCS</td>
</tr>
<tr>
<td>Coarse</td>
<td>0.85 pt.</td>
</tr>
<tr>
<td>Medium</td>
<td>1.0 pt.</td>
</tr>
<tr>
<td>Fine</td>
<td>1.33 pts.</td>
</tr>
</tbody>
</table>
Seeded Tomatoes:
row middles in bedded tomatoes, as long as the total amount of PARALLEL PCS preplant non-incorporated to the top of the pressed bed, as well as the last step, prior to laying plastic. PARALLEL PCS may also be used to treat PARALLEL PCS may be applied post-directed to direct
PARALLEL PCS + Pursuit + Gramoxone Extra or Roundup
On fine soils, apply 1.0 pt./A of PARALLEL PCS + 2.0 pt./A of Pursuit. On fine soils, apply 1.67 pts./A of PARALLEL PCS + 20-24 oz./A of Gemini. Precaution: Do not apply to sand or loamy sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 7.0, except as noted on the Canopy label.
PARALLEL PCS + Pursuit + Gramoxone Extra or Roundup
Use only where soils have 0.5-5% organic matter. On coarse soils (except sand), apply 1.0 pt./A of PARALLEL PCS + 8" - 7 oz./A of Pursuit. On medium soils, apply 1.33 pts./A of PARALLEL PCS + 7"-8 oz./A of Pursuit. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS + 8" to 9 - 10 oz./A of Preview. *Use this rate where the soil organic matter is in the 0.5 to less than 3.0% range. Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 6.8.
PARALLEL PCS + Canopy + Gramoxone Extra or Roundup
Use only where soils have 0.5-5% organic matter. On coarse soils (except sand), apply 1.0 pt./A of PARALLEL PCS + 8" - 7 oz./A of Preview 75DF. On medium soils, apply 1.33 pts./A of PARALLEL PCS + 7"-8 oz./A of Preview. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS + 8" to 9 - 10 oz./A of Preview. *Use this rate where the soil organic matter is in the 0.5 to less than 3.0% range. Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 6.8.
PARALLEL PCS + Canopy + Gramoxone Extra or Roundup
Use only where soils have 0.5-5% organic matter. On coarse soils (except sand), apply 1.0 pt./A of PARALLEL PCS + 8" - 7 oz./A of Preview 75DF. On medium soils, apply 1.33 pts./A of PARALLEL PCS + 7"-8 oz./A of Preview. On fine soils, apply 1.33-1.67 pts./A of PARALLEL PCS + 8" to 9 - 10 oz./A of Preview. *Use this rate where the soil organic matter is in the 0.5 to less than 3.0% range. Precaution: Do not apply to sand, or to any soil with less than 0.5% organic matter, or to any soil with pH greater than 6.8.
PARALLEL PCS + Pursuit + Gramoxone Extra or Roundup
On fine soils apply PARALLEL PCS at 1.33-1.67 pts./A if organic matter content is less than 3% or 1.67-2.0 pts./A if the organic matter content is 3% or greater. On medium soils apply PARALLEL PCS at 1.33-1.67 pts./A. On fine soils apply PARALLEL PCS at 1.33-1.67 pts./A if organic matter content is less than 3% or 1.67-2.0 pts./A if the organic matter content is 3% or greater. Precautions: (1) Do not apply to varieties or cultivars with unknown tolerance to PARALLEL PCS. (2) PARALLEL PCS may damage transplants that have been weakened by any cause. (3) To prevent damage, plant only healthy transplants. Do not plant when wet, cool, or unfavorable growing conditions exist. (4) In transplanted tomatoes, if PARALLEL PCS is applied preplant incorporated, incorporate to a depth less than the depth of transplanting, and use the lower end of the rate range for the given soil type, or damage may occur. (5) For row middle applications where tomatoes are grown on sandy soils and where high soil moisture conditions can exist (i.e. low binding and high evaporation conditions), as may be found in the States of Florida, Georgia, Maryland, and Virginia, there is potential for crop injury in the form of leaf epinasty. The risk of this type of injury can be reduced by: (a) incorporating the PARALLEL PCS immediately following application, (b) applying the PARALLEL PCS seven or more days before transplanting (but only after the beds have been formed), (c) minimizing the application of PARALLEL PCS onto the plastic of the bed, or (d) any combination of the above. Restrictions: To avoid possible illegal residues: (1) Do not apply PARALLEL PCS within 90 days of tomato harvest. (2) Do not exceed the maximum label rate for the soil texture per year. (3) Apply by ground application only. (4) Do not apply more than 1 post emergence application per year.

APPENDICES

APPENDIX A: COMPATIBILITY TEST

Since liquid fertilizers can vary, even within the same analysis, always check compatibility with herbicide(s) each time before use. Be especially careful when using complete suspension or fluid fertilizers, as serious compatibility problems are more likely to occur. Commercial application equipment may improve compatibility in some instances. The following test assumes a spray volume of 25 gals./A. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure:

1. Add 1 pt. of fertilizer to each of 2 one-qt. jars with tight lids. For PARALLEL PCS tank mixtures with AAtrex + Princep, use 1/3-1/2 the amount of AAtrex specified above and the remainder as Princep, depending on whether the 1.2 or 1.1 ratio of AAtrex to Princep is to be applied. For each pound to be applied per acre, add 1.5水平茶匙 to each jar. Liquid herbicides: For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar. Note: For PARALLEL PCS tank mixtures with AAtrex + Princep, use 1/3-1/2 the amount of AAtrex specified above and the remainder as Princep, depending on whether the 1.2 or 1.1 ratio of AAtrex to Princep is to 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 Complex or Unite (1/4 tsp. is equivalent to 2 pts./100 gals. spray). Shake or stir gently to mix. For each pound to be applied per acre, add 1.5 level tea-spoons to each jar. For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar. Note: For PARALLEL PCS tank mixtures with AAtrex + Princep, use 1/3-1/2 the amount of AAtrex specified above and the remainder as Princep, depending on whether the 1.2 or 1.1 ratio of AAtrex to Princep is to be applied. For each pound to be applied per acre, add 1.5水平茶匙 to each jar. Liquid herbicides: For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar. Note: For PARALLEL PCS tank mixtures with AAtrex + Princep, use 1/3-1/2 the amount of AAtrex specified above and the remainder as Princep, depending on whether the 1.2 or 1.1 ratio of AAtrex to Princep is to be applied.

3. To both jars, add the appropriate amount of herbicide(s). If more than one herbicide is used, add them separately with dry herbicides first, flowables next, and emulsifiable concentrates last. Add each herbicide separately, shake or stir gently to thoroughly mix. The appropriate amount of herbicides for this test follows:

**Dry herbicides:** For each pound to be applied per acre, add 1.5 level tea-spoons to each jar. **Liquid herbicides:** For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar. Note: For PARALLEL PCS tank mixtures with AAtrex + Princep, use 1/3-1/2 the amount of AAtrex specified above and the remainder as Princep, depending on whether the 1.2 or 1.1 ratio of AAtrex to Princep is to be applied.

4. After adding all ingredients, put lids on and tighten, and invert each jar 10 times to mix. Let the mixtures stand 15 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other
These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backwards parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should 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

- **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.

**Boom Length**

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

**Application Height**

Applications should not be made at a height greater than 10 feet 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 upward. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

**Wind**

Drift potential is lowest between 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. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity
When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe 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
This 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, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive area).

APPENDIX D: CENTER PIVOT IRRIGATION APPLICATION
PARALLEL PCS alone or in tank mixture with other herbicides on this label, which are registered for center pivot application, may be applied in irrigation water preemergence (after planting but before weeds or crop emerge) at rates recommended on this label. 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 non-uniform 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, 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 back flow.
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 of 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 ½-1 inch of water. Use the lower water volume (1/2 inch) on coarse-textured soils and the higher volume (1 inch) on fine-textured soils. More than 1 inch of water at application may reduce weed control by moving the herbicide below the effective zone in the soil.

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

Appendix E: Dry Bulk Granular Fertilizers
Many dry bulk granular fertilizers may be impregnated or coated with PARALLEL PCS alone or selected PARALLEL PCS tank mixtures which are registered for preplant incorporated or preplant surface application which are used to control weeds in crops on the PARALLEL PCS label and are not prohibited from use on dry bulk granular fertilizers. When applying PARALLEL PCS or PARALLEL PCS 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 PARALLEL PCS and PARALLEL PCS 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 blenders.

If the herbicide/fertilizer mixture is too wet, add a highly absorptive material, such as Agsorb® or Celatom MP-78®, or similar granular clay or diatomaceous earth materials, to obtain a dry, free-flowing mixture. Absorbent 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.
Agents are not recommended for use with On-The-Go® impregnation equipment. (3) Drying can be attained by substituting a drying agent for Aromatic 200. The use of impregnating PARALLEL PCS in a blender before application, a drier mixture in water or liquid fertilizer solutions for spraying applications. (2) When impregnating PARALLEL PCS 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 is 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 PARALLEL PCS or PARALLEL PCS mixtures on ammonium nitrate, potassium nitrate, or sodium nitrate, either alone or in blends with other fertilizers. (2) Do not use PARALLEL PCS or PARALLEL PCS 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. Non-uniform 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.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** This product may be stored at temperatures down to 30°F below 0°F.

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

**CONTAINER HANDLING:**

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Refillable Container:** Refillable container. Refill this container with metolachlor only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures allowed by state and local authorities.

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL INFOTRAC AT 1-800-535-5053.**
LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

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