

66222-87

5/16/2011

1/36



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MAY 16 2011

Ms Christie Hitchcock
MANA
4515 Falls of Neuse Road Suite 300
Raleigh NC 27609

Subject Notification

Ms Hitchcock

The Agency is in receipt of your Application dated March 24 2011 for Pesticide Notification under Pesticide Registration Notice PRN 2007 4 for the product (EPA Reg No 66222 87) The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007 4 and finds that the action(s) requested fall within the scope of PRN 2007 4 The label submitted with the application has been stamped Notification and will be placed in our records

Please be reminded that 40 CFR Part 156 140(a)(4) requires that a batch code lot number or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers The code may appear either on the label (and can be added by non notification/PR Notice 98 10) or durably marked on the container itself

If you have any questions please contact Phil Errico at 703 305 6663/
errico.philip@epa.gov

Sincerely

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

Kathryn V Montague PM 23
Herbicide Branch/Registration Division (7505P)
Office of Pesticide Programs



United States
 Environmental Protection Agency
 Washington, DC 20460

Form Approved: UMB No. 2070-0060

Approval expires 2-28-82
 OPP Identifier Number

1. Company/Product Number
 66222-87

Application for Pesticide - Section I

Registration
 Amendment
 Other

4. Company/Product (Name)
 Parallel Herbicide

2. EPA Product Manager
 Paul Mastradone

3. Proposed Classification
 None Restricted

5. Name and Address of Applicant (Include ZIP Code)
 Makhteshim Agan of North America, Inc.
 4515 Falls of Neuse Rd., Suite 300
 Raleigh, NC 27609

PM# 23
 Registration Support Branch

6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
 EPA Reg. No. _____
 Product Name _____

NOTIFICATION

MAY 16 2011

Section - II

Amendment - Explain below.
 Resubmission in response to Agency letter dated _____
 Notification - Explain below.

Final printed labels in response to Agency letter dated "Me Too" Application.
 Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance of PR Notice 2007-4 and requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging
 Yes
 No

Unit Packaging
 Yes
 No

Water Soluble Packaging
 Yes
 No

2. Type of Container
 Metal
 Plastic
 Glass
 Paper
 Other (Specify) _____

* Certification must be submitted

3. Location of Net Contents Information
 Label Container

If "Yes" Unit Packaging wgt. No. per container

No. per container

If "Yes" Package wgt. No. per container

No. per container

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled
 Other: Self-adhesive

4. Size(s) Retail Container
 5 gals or less, more than 5 gals

5. Location of Label Directions
 on label

Section - IV

Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)
 Name: Christie Hitchcock
 Title: Regulatory Specialist
 Telephone No. (Include Area Code): 919-256-9342

Certification
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature: *Christie Hitchcock*
 Printed Name: Christie Hitchcock

3. Title
 Regulatory Specialist

5. Date
 03-24-11

6. Date Application Received (Stamped)

3/36



Handwritten notes:
OK for
2007-4
m + to - up

VIA FEDEX

March 24 2011

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U S Environmental Protection Agency
Room S 4900 One Potomac Yard
2777 South Crystal Drive
Arlington VA 22202-4501

Handwritten: m + to - up

Handwritten: Lay

Re MANA Parallel® EPA Reg No 66222 87
Notification per PRN 2007 4

To Whom It May Concern

We are notifying the Agency of an update for the above mentioned label as allowed in PR Notice 2007 4 and clarifying the container size for bulk

In support of this submission the following documents are attached

- Application for Pesticide Registration (EPA Form 8570 1)
- Two copies of final printed labeling
- One copy of the annotated label

Please contact me at 919 256 9342 or by email at chitchcock@manainc.com if you have any questions regarding this submission

Sincerely

Christie Hitchcock
Regulatory Specialist

Enclosures

4/36



PARALLEL® HERBICIDE

FOR WEED CONTROL IN CORN COTTON PEANUTS POD CROPS
POTATOES SAFFLOWER SORGHUM (GRAIN OR FORAGE) AND SOYBEANS

ACTIVE INGREDIENT		% BY WT
Metolachlor 2 chloro N (2 ethyl 6 methylphenyl) N (2 methoxy 1 methylethyl) acetamide		84.4%
INERT INGREDIENTS		15.6%
TOTAL		100.0%

Parallel contains 7.8 lbs of active ingredient per gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**NOTIFICATION
MAY 16 2011**

Manufactured for
Makhteshim Agan of North America Inc
4515 Falls of Neuse Road Suite 300
Raleigh NC 27609

EPA Reg No 66222 87

EPA Est No [REDACTED]

NET CONTENTS _____ GALS

FIRST AID	
IF INHALED	<ul style="list-style-type: none"> • Move 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	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses if present after the first 5 minutes then continue rinsing eye • Call a poison control center or doctor for treatment advice
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have 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
<p>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</p>	

**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

5/36

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 footwear plus socks
- Chemical resistant headgear for overhead exposure
- Chemical resistant apron when cleaning equipment

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 CONTROLS STATEMENT

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

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 rinsate

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

6/36

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

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

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

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.

GENERAL INFORMATION

Observe all precautions and limitations on the labels of each product used in tank mixtures. Tank mixtures are permitted only in those states where the tank mix partner is registered.

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.

MANA Parallel® is a selective herbicide recommended as a preplant surface applied, preplant incorporated, or preemergence treatment in water or fluid fertilizer for control of most annual grasses and certain broadleaf weeds in corn (all types), cotton, peanuts, pod crops, potatoes, safflower, grain or forage sorghum, and soybeans.

Note: Do not use in nurseries, turf, or landscape plantings.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or erosion:

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

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

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

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

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

Where reference is made to weeds partially controlled, partial control can either mean erratic control from good to

poor or consistent control at a level below that generally considered acceptable for commercial weed control

Precaution Injury may occur to crops other than corn following the use of Parallel under abnormally high soil moisture conditions during early development of the crop

Soil Textures and Herbicide Rates

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

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

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

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

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

MIXING INSTRUCTIONS

Parallel Alone Mix Parallel 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 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 Canopy Caparol 4L Command Cotoran Eptam Gemini Loxone Lorox Lorox Plus Marksman Preview Princep Prowl Pursuit AAtrex + Princep Scepter Sencor Sonalan or Treflan and allow it to become dispersed then add Parallel 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 Loxone Lorox Lorox Plus Marksman Preview Princep Prowl Pursuit AAtrex + Princep Scepter Sencor Sonalan or Treflan fluid fertilizers may replace all or part of the water as carrier except in the AAtrex postemergence and the Banvel postemergence tank mixes For tank mixtures with AAtrex see additional mixing instructions on the AAtrex label For each mixture check compatibility with fluid fertilizer as described below before mixing in spray tank For all tank mixtures agitate during mixing and application to maintain a uniform suspension

See Special Mixing Instructions for tank mixtures with Cotoran and with AAtrex or Princep + Prowl under the appropriate tank mixture section

For directions on how to conduct a compatibility test see Appendix A

APPLICATION PROCEDURES

APPLICATION TIMING

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

Preplant Surface Applied For minimum tillage or no tillage systems only Parallel alone and some Parallel 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

Preplant Incorporated Apply Parallel 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 after bed formation unless specified otherwise

Preemergence Apply Parallel during planting (behind the planter) or after planting but before weeds or crops emerge

SPECIAL APPLICATION PROCEDURES

Fall Application (Only in IA MN ND SD WI and portions of NE and IL-- see specific instructions in the Corn Soybeans and Pod Crops sections of this label for timing of application and other information) Do not apply to frozen ground Use on medium and fine soils with greater than 2.5% organic matter that will be planted to corn or soybeans the next spring Ground may be tilled before or after application Do not exceed a 2 to 3 inch incorporation depth if tilled after treatment **Note** If a spring application is made the total rate of the fall plus spring applications must not exceed the maximum total rate for the specific crop or illegal residues may result

Ground Application Apply Parallel 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 tank mixtures with wettable powder or dry flowable formulations screens and strainers should be no finer than 50 mesh Rinse sprayer thoroughly with clean water immediately after use

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

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

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 APPLIED ALONE

Weeds Controlled

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

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

Weeds Partially Controlled

common purslane	sandbur	volunteer sorghum
eclipta	seedling johnsongrass	wild proso millet
Florida beggarweed	shattercane	woolly cupgrass
hairy nightshade	Texas panicum	

See **General Information** section Control of these weeds can be erratic due partially to variable weather conditions

Control may be improved by following these suggested procedures

- 1 In corn use 2.2-6.7 pts/A or the preplant surface applied rates for Parallel alone or in tank mixture if allowed when making preplant incorporated or preemergence applications
- 2 Thoroughly till moist soil to destroy germinating and emerged weeds If Parallel is to be applied preplant incorporated this tillage may be used to incorporate Parallel if uniform 2 inch incorporation is achieved as recommended under Application Procedures
- 3 Plant crop into moist soil immediately after tillage If Parallel is to be used preemergence apply at planting or immediately after planting
- 4 If available sprinkler irrigate within 2 days after application Apply 1/2 to 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
- 5 If irrigation is not possible and rain does not occur within 2 days after planting and application weed control may be decreased Under these conditions a uniform shallow cultivation is recommended as soon as weeds emerge

For partial control of this weed use a minimum of 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

ROTATIONAL CROPS

Parallel Alone (1) If crop treated with Parallel alone is lost any crop on this label may be replanted immediately Do not make a second broadcast application of Parallel If the original application was banded and the second crop is planted in the untreated row middles a second banded treatment may be applied (2) Barley oats rye or wheat may be planted 4 1/2 months following treatment alfalfa may be planted 4 months following application tomatoes may be planted 6 months following application (3) Any crop on this label in addition to root crops tobacco barley buckwheat milo oats rice rye wheat cabbage peppers stone fruits or tree nuts may be planted in the spring following treatment Clover may be seeded 9 months following application Do not graze or feed forage or fodder from cotton to livestock (4) Following a lay by treatment or multiple treatments applied the previous season any crop on this label in addition to tobacco cabbage peppers stone fruits or tree nuts may be planted in the spring All other rotational crops may be planted 12 months after a lay by application

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

**CROPS
CORN (All Types)**

PARALLEL ALONE

Apply Parallel either preplant surface preplant incorporated preemergence or lay by using the appropriate rate specified below

PREPLANT SURFACE APPLIED

Refer to instructions for use of Parallel alone under **Application Procedures**

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 91 in NE and south of Route 30 in IA Apply after October 31 north of Route 136 in IL) In all locations apply to crop stubble after harvest when the sustained soil temperature at a 4 inch depth is less than 55 F and falling In minimum tillage or no tillage systems on soils having greater than 2 5% organic matter use 1 67 2 0 pts/A on medium textured and 2 0 pts/A on fine textured soils Do not apply to frozen ground A tillage operation may precede the application A fall and/or a spring tillage may follow application but do not exceed an incorporation depth greater than 2 3 inches Minimize furrow and ridge formation in the tillage operations **Note** If a spring application is made the total rate of the fall plus spring applications must not exceed the maximum total rate for corn or illegal residues may result

Early Preplant Applications

Use on medium and fine textured soils with minimum tillage or no tillage systems in CO IA IL IN KS KY MN MO MT ND NE SD TN WI and WY Apply 2/3 the recommended rate of Parallel (1 67 pts/A on medium soils and 2 0 pts/A on fine soils) as a split treatment 30 45 days before planting and the remainder at planting Applications made less than 30 days prior to planting may be as either a split or single treatment Apply 1 33 pts/A on coarse soils not more than 2 weeks prior to planting

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

PREPLANT INCORPORATED OR PREEMERGENCE

Follow instructions for use of Parallel alone under **Application Procedures** On coarse soils apply 1 0 1 33 pts/A of Parallel 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 On fine soils apply 1 33 1 67 pts/A of Parallel if organic matter content is less than 3% or 1 67 2 0 pts/A if organic matter content is 3% or greater

LAYBY

To extend the duration of weed control in corn a maximum rate of 2 0 pts/A of Parallel may be applied after corn emergence until the corn plants reach 40 inches in height following any preplant surface applied preplant incorporated or preemergence herbicide application including Parallel For best results applications should be made to soil free of emerged weeds and directed towards the base of corn plants in excess of 5 inches tall The total Parallel

10/36

rate applied on corn during any one year must not exceed 4 pts/A depending on soil texture

Note for all applications to corn To avoid possible illegal residues do not graze or feed forage from treated areas for 30 days following application

PROBLEM WEED CONTROL DIRECTIONS

Shattercane Wild Proso Millet Woolly Cupgrass and Eclipta Partial Control For more consistent partial control of shattercane wild proso millet woolly cupgrass or eclipta apply 2.0 - 2.5 pts/A as a single application or apply 1.0 - 1.33 pts/A of Parallel preplant incorporated followed by 1.0 - 1.33 pts/A of Parallel preemergence however do not apply more than a total of 2.55 pts/A. Make the preemergence application during or after planting but before weeds and corn emerge. Apply the 1.33 pts/A rate of Parallel when a heavy infestation of shattercane wild proso millet woolly cupgrass or eclipta is expected. A shallow cultivation may be needed to control any late emerging weeds.

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

Notes (1) Do not apply more than the labeled application rate for a given soil texture per year either as a single or split treatment or illegal residues may result (2) In corn Parallel may be used up to 2.75 pts/A as either a preplant surface preplant incorporated or preemergence treatment on soils having an organic matter content between 6% and 20% or up to 2.0 pts/A on any soil for extended residual control and where severe stands of problem weeds are expected (3) In the event of escape of annual weeds following a preplant surface preplant incorporated or preemergence treatment of Parallel follow with a postemergence application of an appropriately labeled broadleaf and/or grass weed herbicide i.e. AAtrex Beacon Bicep Exceed Accent Banvel Basagran Brominal Buctril or 2,4-D. If the postemergence treatment includes the herbicide used in the earlier treatment i.e. AAtrex do not exceed the total labeled rate for corn on a given soil texture (4) Brominal or Buctril may be applied postemergence alone or in tank mix combination with AAtrex. Do not exceed 1.2 lbs a.i./A of AAtrex in tank mix combination with Brominal or Buctril postemergence. Refer to the AAtrex Brominal and Buctril labels for specific rates and precautions (5) Do not use Parallel on peat or muck soils.

PARALLEL COMBINATIONS FOR CORN

Parallel in any tank mixture for corn (except Parallel + AAtrex postemergence and Parallel + Banvel postemergence) may be applied in water or fluid fertilizer. Use only water in the Parallel + AAtrex or the Parallel + Banvel postemergence tank mixes.

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

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

Chart 1 Parallel Tank Mixtures for Corn - Additional Weeds Controlled and Special Instructions

	Parallel + AAtrex and/or Princep (Preplant Surface PPI PRE)	Parallel + AAtrex (Post)	Parallel + Banvel (Field Corn)	Parallel + AAtrex + Lorox	Parallel + AAtrex or Princep + Prowl	Parallel + Marksman	Parallel + Broadstrike + Parallel PCS
Section	1	2	3	4	5	8	9
Special Mixing Instructions					2		
Comments	3 4 5 6 7 8	3 4 5 6		3 4 5 6 8	3 4 5 6	7	7
Browntop panicum	•			•	•		

Cocklebur	•	o	o	•	•	•	o•
Common purslane	•			•	•	•	•
Hairy nightshade	•			•	•	•	•
Jimsonweed		o	o			•	o•
Kochia		•				•	•
Lambsquarters	•	•	•	•	•	•	•
Morningglory	•	o	o	•	•	•	o•
Mustard		•				•	•
Pigweed				•	•	•	•
Prickly sida		•				•	•
Ragweed	•	•	•	•	•	•	o•
Smartweed	•	•	•	•	•	•	•
Velvetleaf	•	•	o	•	•	•	•

• = control o = partial control o• = partial to full control depending on ratio of products used or on weed population

Comments

- Special Mixing Instructions for Parallel + AAtrex or Princep and Prowl
 (1) Fill the spray tank 1/4 full with water or fluid fertilizer and start agitation. (2) To aid compatibility add a compatibility agent such as Unite or X 77 at 4 pts/100 gals of spray mixture (3) Then add the AAtrex or Princep and allow it to become dispersed (4) Then add Parallel and Prowl 4E (5) Add the rest of the water
- Although a single formulation for AAtrex or Princep is listed in the rate tables other formulations may be substituted using the following formula 1 lb of AAtrex Nine O or Princep Caliber 90 = 1.8 pts of AAtrex 4L or Princep 4L
- Although directions specify AAtrex formulations in tank mixture with Parallel other brands of atrazine may be used Follow the rates recommendations and limitations on the atrazine label
- See additional mixing instructions on the AAtrex label
- Precaution Do not exceed a total of 2.5 lbs a.i. of atrazine per acre per year However certain states may have established rate limitations for atrazine within specific geographical areas Consult your state lead pesticide control agency for additional information It is a violation of this label to deviate from state use regulations
- Other formulations of Lorox can be used 1 lb of Lorox DF = 1 pt of Lorox L.
- In Minimum Tillage and No Tillage systems mix with Gramoxone Extra for control of most emerged annual weeds and suppression of perennial weeds or with Landmaster BW for suppression of emerged field bindweed and control or suppression of annual weeds or with Roundup for control of most emerged annual and perennial weeds
- Refer to **Parallel Combinations For Corn – Tank Mixture with AAtrex or AAtrex + 2.4 D or AAtrex + 2.4 D + Banvel for Minimum Tillage or No Tillage Systems** sections for specific directions for 2.4 D or Banvel burndown combinations in Minimum Tillage and No Tillage systems

Parallel in any tank mixture for corn may be applied in water or fluid fertilizer except as noted

Notes (1) For all applications to corn do not graze or feed forage from treated areas for 30 days following application or possible illegal residues may result (2) When applying Parallel in tank mixture with AAtrex do not exceed a total of 2.5 lbs a.i. of atrazine per acre per year (3) Refer to the section entitled **Corn (All Types) Parallel Alone Problem Weed Control Directions Note (3)** for recommended sequential postemergence treatments if escape weeds develop (4) In corn Parallel may be used up to 2.0 pts/A in combinations on any soil for extended residual control and where severe stands of problem weeds are expected

Tank Mixture with AAtrex or Princep or AAtrex + Princep Preplant Surface Preplant Incorporated or Preemergence

In addition to the weeds controlled by Parallel alone Parallel + AAtrex or Princep or Parallel + AAtrex + Princep applied preplant surface preplant incorporated or preemergence also controls the following weeds browntop

panicum cocklebur common purslane hairy nightshade lambsquarters morningglory ragweed smartweed and velvetleaf

Apply Parallel + AAtrex or Princep or Parallel + AAtrex + Princep either preplant surface preplant incorporated or preemergence

Preplant Surface Applied Follow instructions for use of Parallel alone under **Application Procedures** and under application instructions for Parallel alone for corn Apply Parallel + AAtrex or Princep or Parallel + AAtrex + Princep on medium soils (1 67 pts/A of Parallel + 3 2 4 pts/A of AAtrex 4L or Princep 4L or AAtrex 4L + Princep 4L combined) and on fine soils (1 67 2 0 pts/A of Parallel + 4 5 pts/A of AAtrex 4L or Princep 4L or AAtrex 4L + Princep 4L combined) in minimum tillage and no tillage systems in CO IA IL IN KS KY MN MO MT ND NE SD TN WI and WY Apply the tank mixtures as a split or single treatment in those states and as indicated in the Parallel Alone Preplant Surface Applied section of the label for corn On coarse soils apply 1 33 pts/A of Parallel and 3 2 pts/A of AAtrex 4L or Princep 4L or AAtrex 4L + Princep 4L combined

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

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

Shattercane Wild Proso Millet Woolly Cupgrass and Eclipta Partial Control

For more consistent partial control of shattercane wild proso millet woolly cupgrass or eclipta where Parallel is applied in tank mixture or sequentially with other registered corn herbicides apply 2 0 2 33 pts as a single application or the following applications may be made

- 1 Apply 1 0 1 33 pts/A of Parallel + 2 lbs a /A of AAtrex or Princep preplant incorporated followed by 1 0 1 33 pts/A of Parallel preemergence Make the preemergence application during or after planting but before weeds and corn emerge
- 2 Apply Parallel at 1 33 pts/A alone or in tank mix combination with up to 2 lbs a /A of AAtrex or Princep preplant incorporated Do not exceed the total rate of triazine herbicide recommended for corn grown on a given soil texture Follow with a post directed application of Evik 80W at 2 5 lbs/A Refer to the Evik 80W label for specific directions for the post directed application
- 3 Apply Eradicane or Sutan (or equivalent EPTC or butylate formulations) at labeled rates preplant incorporated followed by a preemergence application of Parallel at 1 0 1 33 pts/A Do not use Eradicane or Sutan on soils where rapid degradation has been shown to occur Make the preemergence application during or after planting but before weeds and corn emerge

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

Table 1 Parallel + AAtrex or Princep or Parallel + AAtrex + Princep Preplant Incorporated or Preemergence Corn (All Types)

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	LESS THAN 3% ORGANIC MATTER		3% ORGANIC MATTER OR GREATER	
	Parallel + AAtrex Nine O or Princep Caliber 90	Parallel + AAtrex Nine O + Princep Caliber 90	Parallel + AAtrex Nine O or Princep Caliber 90	Parallel + AAtrex Nine O + Princep Caliber 90
Coarse	0 85 1 0 pt + 1 1 2 2 lbs	0 85 1 0 pt + 0 6 1 1 lbs + 0 6 1 1 lbs	1 0 pt + 1 3 2 2 lbs	1 0 pt + 0 7 1 1 lbs + 0 7 1 1 lbs
Medium	1 0 1 33 pts + 1 3 2 2 lbs	1 0 1 33 pts + 0 7 1 1 lbs + 0 7 1 1 lbs	1 33 pts + 1 8 2 2 lbs	1 33 pts + 0 9 1 1 lbs + 0 9 1 1 lbs

Fine	1 33 pts + 1 8 2 2 lbs	1 33 pts + 0 9 1 1 lbs + 0 9 1 1 lbs	1 33 1 67 pts + 1 8 2 2 lbs	1 33 1 67 pts + 0 9 1 1 lbs + 0 9 1 1 lbs
Muck or Peat (soils with more than 20 / organic matter)	DO NOT USE			

Use Princep in preference to AAtrex when heavy infestations of crabgrass or fall panicum are expected. On soils having between 6% and 20% organic matter Parallel may be used up to 2 33 pts/A in tank mix combination with 2 2 lbs/A of AAtrex Nine O or equivalent rates of AAtrex 4L. Refer to the AAtrex label for weeds controlled at this reduced rate.

When using the tank mixture of Parallel + AAtrex Nine O + Princep Caliber 90 use equal rates of each as shown when heavy broadleaf weed infestations are expected. When heavy infestations of crabgrass or fall panicum are expected use a 1 2 ratio of AAtrex + Princep instead of the 1 1 ratio given in Table 1 (Example Total AAtrex Nine O + Princep Caliber 90 = 1 2 lbs/A use 0 4 lb of AAtrex + 0 8 lb of Princep respectively) Refer to Comment No 2 following Chart 1 for AAtrex 4L and Princep 4L conversions.

For cocklebur yellow nutsedge and velvetleaf control on fine textured soils above 3% organic matter apply 2 25 lbs/A of AAtrex Nine O or equivalent rates of AAtrex 4L or the same total amount of AAtrex + Princep with 1 33 1 67 pts/A of Parallel.

Tank Mixture with AAtrex Postemergence

Weeds Controlled

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

Weeds Partially Controlled

cocklebur	morningglory	yellow nutsedge
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Apply 1 0 pt/A of Parallel + 1 3 lbs/A of AAtrex Nine O on coarse soils 1 33 pts/A of Parallel + 1 8 lbs/A of AAtrex Nine O on medium soils or 1 33 1 67 pts/A of Parallel + 1 8 2 2 lbs/A of AAtrex Nine O on fine soils. Apply this tank mixture before grass and broadleaf weeds pass the 2 leaf stage and before corn exceeds 5 inches in height. Application to weeds larger than the 2 leaf stage will generally result in unsatisfactory control.

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

When using AAtrex 4L use equivalent rates. One lb of AAtrex Nine O equals 1 8 pts of AAtrex 4L. For better control of cocklebur morningglory velvetleaf and yellow nutsedge on fine textured soils above 3% organic matter apply 2 2 lbs/A of AAtrex Nine O or equivalent rate of AAtrex 4L with 1 33 1 67 pts/A of Parallel. Tank mixtures of Parallel + AAtrex may be applied following use of any registered preplant surface applied preplant incorporated or preemergence corn herbicide including Parallel + AAtrex.

Note The total Parallel rate should not exceed 4 pts nor the AAtrex rate more than 2 5 lbs a /A during any one crop year or illegal residues may result. Refer to the AAtrex label for geographic soil texture and rotational restrictions.

Tank Mixture with Banvel

Preemergence Use this tank mixture only on field corn which is flat planted (no furrows) in CO IA IL IN KS MN NE OH SD and WI. In addition to the weeds controlled by Parallel alone Parallel + Banvel applied preemergence also controls lambsquarters ragweed smartweed cocklebur jimsonweed morningglory and velvetleaf*.

Partially controlled

Apply Parallel + Banvel preemergence. Broadcast 1 pt/A of Banvel with 1 33 pts/A of Parallel on medium soils or with 1 33 1 67 pts/A of Parallel on fine soils. Do not apply on coarse soils or on soils with less than 2 5% organic matter. Apply this tank mixture to the soil surface at planting or after planting but before corn emerges. Plant corn at least 1 5

inches deep and apply behind planting equipment avoiding incorporation by the planter wheel or other seed covering device Do not incorporate before corn emergence If it is necessary to rotary hoe to break the soil crust do not disturb the soil more than 1/2 inch deep

Precautions (1) Avoid drift to sensitive non target plants such as soybeans during application or injury may occur (2) Do not apply with aircraft

Postemergence for Control of Pigweed (Mid Atlantic states including DE MD PA VA and WV) Apply 1 0 1 5 pts of Parallel + 0 5 1 pt/A of Banvel by ground equipment when pigweed plants are less than 3 inches tall and before corn exceeds 5 inches in height in a minimum of 20 gals of spray per acre Use the lower rate on coarse textured and low organic matter soils Use the higher rate on fine textured and high organic matter soils Banvel SGF and Clarity may be used at equivalent lbs of active ingredient per acre

Precautions (1) Avoid drift to sensitive non target plants such as soybeans during application or injury may occur (2) Do not apply with aircraft

Tank Mixture with AAtrex and Lorox for Control of Lambsquarters and Pigweed

For prolonged control of lambsquarters and pigweed in DE MD NJ NY PA VA and WV Parallel may be applied preemergence in tank mix combination with AAtrex + Lorox Apply Parallel and AAtrex according to the rates in Table 1 and Lorox according to the following rates

SOIL TEXTURE	BROADCAST RATE PER ACRE
Sandy loam (1 3% organic matter)	0 67 lb Lorox
Sandy loam (3 6% organic matter)	1 0 lb Lorox
Medium and fine textured soils (1 6% organic matter)	1 0 lb Lorox

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

Tank Mixture with AAtrex or Princep + Prowl for Prolonged Control of Lambsquarters and Pigweed in Field Corn Only (Northeast U S including MI IN KY and States East of These)

For prolonged control of lambsquarters and pigweed in addition to a broad spectrum of annual broadleaf and grass weeds Parallel in tank mix combination with AAtrex or Princep + Prowl 4E may be applied after planting but before corn or weeds emerge Apply by ground equipment in a minimum of 10 gals of water or 20 gals of liquid fertilizer Apply by air in a minimum of 5 gals of water Refer to Table 1 of this label for rates of Parallel AAtrex or Princep to be applied Apply Prowl 4E according to the following rates in Table 2

Do not apply Parallel in tank mix combination with AAtrex 80W + Prowl as this combination is not compatible Other AAtrex formulations may be used

Mixing Instructions See Comment No 1 following Chart 1

Table 2 Prowl 4E Broadcast Rates Per Acre

SOIL TEXTURE	PERCENT ORGANIC MATTER IN SOIL		
	LESS THAN 1 5%	1 5 3%	OVER 3%
Coarse	1 5 2 0 pts	2 0 pts	3 0 pts
Medium	2 0 pts	3 0 pts	3 0 pts
Fine	2 0 pts	3 0 pts	3 0 pts

Observe all directions for use precautions and limitations on the respective product labels when applying these products in tank mix combination Refer to the Prowl 4E label for replanting instructions in the event of crop loss

Tank Mixture with AAtrex or Princep AAtrex + Princep with Gramoxone Extra Landmaster BW or Roundup for Minimum Tillage or No Tillage Systems

See Comment No 1 following Chart 1 for special mixing instructions

In minimum tillage or no tillage systems where corn is planted directly into a cover crop stale seedbed established sod or previous crop residues the contact herbicides Gramoxone Extra Landmaster BW or Roundup may be added to a tank mix of Parallel + AAtrex or Princep or Parallel + AAtrex + Princep See Comment No 7 following Chart 1 The Parallel + AAtrex or Princep or Parallel + AAtrex + Princep portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for Parallel + AAtrex or Princep or Parallel + AAtrex + Princep – Preplant Surface Preplant Incorporated or Preemergence

Application Apply before during or after planting but before the corn emerges at the rates specified below Add Gramoxone Extra Landmaster BW 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 because the activity of paraquat will be reduced

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

Roundup See the Roundup or Roundup RT label for weeds controlled recommended rates and other use directions Apply in 20 60 gals of water or fluid fertilizer per acre with ground equipment

On coarse soils apply 1 0 pt/A of Parallel with 1 3 lbs of AAtrex Nine O or Princep Caliber 90 or with 0 7 lb of AAtrex Nine O + 0 7 lb of Princep Caliber 90 On medium soils apply 1 33 pts/A of Parallel with 1 8 lbs of AAtrex Nine O or Princep Caliber 90 or with 0 9 lb of AAtrex Nine O + 0 9 lb of Princep Caliber 90 On fine soils apply 1 33 1 67 pts/A of Parallel with 1 8 2 2 lbs of AAtrex Nine O or Princep Caliber 90 or with 0 9 1 1 lbs of AAtrex Nine O + 0 9 1 1 lbs of Princep Caliber 90

Use Princep in preference to AAtrex when heavy infestations of crabgrass or fall panicum are expected When using the tank mixture of Parallel + AAtrex Nine O + Princep Caliber 90 use equal rates of AAtrex and Princep as shown when heavy broadleaf weed infestations are expected When heavy infestations of crabgrass or fall panicum are expected use a 1 2 ratio of AAtrex + Princep instead of the 1 1 ratio given (Example Total AAtrex Nine O + Princep Caliber 90 = 1 8 lbs/A use 0 6 lb of AAtrex + 1 2 lbs of Princep respectively) Refer to Comment No 2 following Chart 1 for AAtrex 4L and Princep 4L conversions For cocklebur yellow nutsedge and velvetleaf control on fine textured soils above 3% organic matter apply 2 25 lbs/A of AAtrex Nine O or equivalent rate of AAtrex 4L or the same total amount of AAtrex + Princep with 1 33 1 67 pts/A of Parallel

Tank Mixture with AAtrex or AAtrex + 2 4 D or AAtrex + 2 4 D + Banvel for Minimum Tillage or No Tillage Systems

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

Where heavy crop residues exist add 0 8 1 6 pts/A of an appropriately labeled 3 8 lbs a /gal 2 4 D amine (such as Weedar 64 Weedar 64A DMA 4 Herbicide or Formula 40) to the spray tank last and apply in a minimum of 25 gals of carrier per acre

As carriers nitrogen solutions and complete liquid fertilizers applied before corn emergence enhance burndown of existing weeds and therefore are recommended instead of water Add X 77 surfactant at 1 0 2 0 qts /100 gals of diluted spray or another appropriate surfactant at its recommended rate or add crop oil concentrate plus 28% liquid nitrogen (or equivalent) Apply before weeds exceed 3 inches in height If alfalfa is present add Banvel to the spray mixture at 0 33 0 5 pt/A and apply before alfalfa exceeds 6 inches in height

For fields with existing sod grasses (e g bromegrass orchardgrass rye or timothy) when existing weeds exceed 3 inches in height or when very dry conditions exist add Gramoxone Extra at the rate of 2 5 pts/A in place of or in addition to 2 4 D as indicated above Do not apply Gramoxone Extra in suspension type liquid fertilizer Observe all directions for use precautions and limitations on the respective product labels when applying these products in tank mix combination

Tank Mixture with Marksman in Conservation Tillage Field and Silage Corn

In conservation tillage systems where corn is planted directly into a cover crop or previous crop residue Parallel + Marksman will kill most emerged small annual weeds Apply Parallel + Marksman before during or after planting but before corn emergence on medium and fine soils with greater than 2 5% organic matter For fields with existing vegetation exceeding 3 inches in height or when very dry conditions exist add Gramoxone Extra at its standard rate Parallel + Marksman may be applied postemergence to corn less than 3 inches tall and before weedy grasses exceed the 2 leaf stage As carriers nitrogen solutions and complete liquid fertilizers applied before corn emergence enhance burndown of existing weeds Do not apply Gramoxone Extra in suspension type liquid fertilizer or use on emerged corn

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

Tank Mixture with Broadstrike + Parallel PCS

For preplant surface preplant incorporated or preemergence application where severe grass populations are expected on medium or fine textured soils with relatively high organic matter content Broadstrike + Parallel PCS may be spiked with Parallel for optimum performance Refer to the Broadstrike + Parallel PCS label for its use rate and the amount of metolachlor active ingredient it contains Parallel may be added up to but not to exceed the maximum alone Parallel label rate for the soil classification Refer to the respective labels and follow all directions limitations and restrictions for each product

COTTON

PARALLEL ALONE

Application

Apply Parallel preemergence only in Area 1 at the rate of 0.50 - 1.0 pt/A on sandy loams 0.67 - 1.33 pts/A on medium soils or 1.0 - 1.33 pts/A on fine soils Apply Parallel preplant incorporated or preemergence in Area 2 at 1.0 pt/A on sandy loams 1.0 - 1.33 pts/A on medium soils or 1.33 pts/A on fine soils **Do not use on sands and loamy sand**

Area 1 = AR LA MS TN and Bootheel of MO

Area 2 = NM OK and TX

Preplant Incorporated (NM OK and TX Only)

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

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

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

Precautions To avoid crop injury (1) Do not apply Parallel 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 to cotton planted in furrows more than 2 inches deep Band applications may be made to cotton planted in furrows deeper than 2 inches but band width should not exceed the width of the bottom of the furrow and (3) Do not apply on Taloka silt loam (4) Do not use in Gaines County TX

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

PARALLEL COMBINATIONS

Tank Mixture with Caparol 4L

Parallel tank mixtures with Caparol 4L may be applied in water or fluid fertilizer When fluid fertilizer is used as a carrier for Parallel either alone or in combination with Caparol 4L mix only the amount that will be sprayed in one operation These mixtures should not be allowed to stand without agitation

In addition to those weeds controlled by Parallel alone Parallel + Caparol 4L applied preplant incorporated or preemergence also controls the following weeds junglerice wild oats annual morningglory groundcherry hairy nightshade lambsquarters malva mustard prickly sida (teaweed) purslane ragweed and shallow germinating seedlings of cocklebur and coffeeweed

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

Table 3 Parallel + Caparol 4L Cotton (NM OK TX)

USE AREAS	SOIL TEXTURE	BROADCAST RATES PER ACRE	
		PARALLEL	CAPAROL 4L
ALL	Sand loamy sand	DO NOT USE	
OK and Blacklands and Gulf Coast of TX	Loams	0.85 - 1.33 pts	2.4 pts
	Clays	1.33 pts	4.8 pts

Rio Grande Valley of TX	Loams	0 85 1 33 pts	3 2 pts
	Clays	1 33 pts	4 8 pts
NM High Plains Rolling Plains Edwards Plateau of TX and Southwest TX	Sandy loam	0 85 1 0 pt	1 6 pts
	Loams	0 85 1 33 pts	2 4 pts
	Sandy clay loams	1 33 pts	2 4 pts
	Other clay soils	1 33 pts	3 2 pts

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

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

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

Tank Mixture with Cotoran DF

Parallel may be applied in tank mixture with Cotoran DF preemergence for control of those weeds controlled by Parallel alone and those as listed on the Cotoran DF label This combination will also control spotted spurge hyssop spurge nodding spurge and prostrate spurge Apply to the soil surface at planting or after planting but before weeds or crop emerge using the appropriate rates from Table 4

Mixing Instructions Incompatibility may occur when tank mixing Parallel 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 and finally the rest of the water or fluid fertilizer Agitate during mixing and application to maintain a uniform suspension

Table 4 Parallel + Cotoran DF – Cotton

SOIL TEXTURE	BROADCAST RATES PER ACRE		
	PARALLEL (PTS)		COTORAN DF (LBS)
	Area 1	Area 2	
Sand loamy sand	DO NOT USE		
Sandy loam	0 50 1 0	0 85 1 0	1 2
Loam silt silt loam	0 67 1 33	1 0 1 33	1 2 1 9
Fine soil	1 0 1 33	1 33	1 9 2 4

Area 1 = AR LA MS Bootheel of MO and TN

Area 2 = Eastern OK Gulf Coast Rio Grande Valley and Eastern TX

When using Cotoran 4L use equivalent rates Multiply lbs of Cotoran DF by 1 7 to get pts of Cotoran 4L

Precautions (1) Do not apply Parallel + Cotoran on sand or loamy sand soils or in areas where water is 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 + Cotoran to cotton planted in furrows more than 2 inches deep Band applications may be made to cotton planted in furrows deeper than 2 inches but band width should not exceed the width of the bottom of the furrow (3) The use of Cotoran following the use of a systemic insecticide at planting may result in crop injury (4) Do not use on Taloka silt loam or crop injury may occur (5) Do not use in Gaines County TX

Refer to the Cotoran labels for further instructions precautions and limitations

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

Tank Mixture of Parallel or Parallel + 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 or Parallel + 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 and Parallel + Cotoran portion of the tank mixture

provides preemergence control of the weeds listed on this label in the Parallel and Parallel + 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 at 0.85 - 1.0 pt/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 paraquat will be reduced

Roundup See the Roundup 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

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

PEANUTS

PARALLEL ALONE

Apply Parallel either preplant incorporated postplant incorporated or preemergence using the appropriate rate specified below

Preplant Incorporated or Preemergence Follow instructions for use of Parallel alone under **Application Procedures**

Postplant Incorporated Apply and shallowly incorporate Parallel into the soil after planting but before peanut germination Incorporation depth and incorporating implements must be kept above the seed or seed will be damaged

Apply Parallel alone preplant incorporated postplant incorporated or preemergence 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

Notes (1) Parallel 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 Treflan 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 (2) Do not graze or feed peanut forage or fodder to livestock for 30 days following application and (3) Do not apply within 90 days of harvest or illegal residues may result

PARALLEL COMBINATIONS

Tank Mixture with Balan L C

Parallel + Balan tank mixture applied preplant incorporated controls those weeds listed under Parallel Applied Alone and those weeds as listed on the Balan label

Apply 1.0 - 1.33 pts/A of Parallel + 3.4 qts /A of Balan in a minimum of 10 gals of spray volume per acre for ground application or in a minimum of 5.0 gals of spray volume per acre for aerial application Follow the recommended procedures for Balan on the Balan label for soil preparation and incorporation of this tank mix Apply and incorporate Parallel + Balan up to 14 days prior to planting **Note** Follow all restrictions and precautions on the Balan label

Tank Mixture or Sequentially with Pursuit

The tank mixture or sequential treatment of Parallel and Pursuit controls all weeds controlled by Parallel alone and by Pursuit alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel 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

Tank Mixture with Sonalan

The tank mixture controls all weeds controlled by Parallel alone and by Sonalan alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel and to the Sonalan label for weeds controlled by Sonalan

Apply Parallel + 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 + Sonalan Peanuts

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	SOUTHEAST		NM OK TX	
	Parallel	Sonalan	Parallel	Sonalan
Coarse	1 0 1 33 pts	1 25 2 pts	0 85 1 33 pts	1 25 2 pts
Medium	1 0 1 33 pts	1 75 2 5 pts	0 85 1 33 pts	1 75 2 5 pts
Fine	1 0 1 33 pts	2 25 3 pts	0 85 1 33 pts	2 25 3 pts

Note Follow all use directions limitations precautions and information regarding application to peanuts on the Parallel and Sonalan labels

Tank Mixture with Prowl

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

Table 6 Parallel + Prowl Peanuts

SOIL TEXTURE	BROADCAST RATES PER ACRE	
	NM OK TX	OTHER PEANUT GROWING STATES
	Parallel + Prowl	Parallel + Prowl
Sand loamy sand	0 85 pt + 1 1 5 pts	1 0 1 33 pts + 1 5 2 pts
Sandy loam	0 85 1 0 pt + 1 1 5 pts	1 0 1 33 pts + 1 5 2 pts
Fine soil	1 33 pts + 1 1 5 pts	1 33 pts + 1 5 2 pts

Note Follow all use directions limitations precautions and information regarding application to peanuts on the Parallel and Prowl labels

Sequentially with Storm

Apply Parallel according to the directions for **Parallel Alone** and follow with a postemergence treatment of Storm as specified on its label for the control of weeds listed on the Parallel label and on the Storm label. Refer to the **Peanuts Parallel Alone** section and to the Storm label and follow all directions limitations and restrictions for each product.

Multiple Applications

Where weed pressure is heavy or where species difficult to control are expected Parallel is most effective when used as follows

Southeast Only (AL FL GA NC SC VA)

1st Application Apply Parallel preplant incorporated as directed under Peanuts Parallel Alone or apply Parallel + Balan preplant incorporated as directed previously in this section. Refer to the respective section for weeds controlled.

2nd Application Apply Parallel any time from preemergence to before ground cracking at 1 0 2 0 pts/A for extended control of weeds not yet emerged. **Do not use Parallel after peanut emergence.** If peanuts have emerged use Parallel PCS according to its label section entitled **Peanuts - Parallel PCS Combinations - Multiple Applications**.

3rd Application Do not use Parallel. Apply Parallel PCS at lay by as directed under **Peanuts - Parallel PCS Alone** section of the Parallel PCS label.

Note (1) Do not apply more than the equivalent of 4 lbs of metolachlor active ingredient per acre during any one year or illegal residues may result. This includes Parallel PCS and Parallel but do not use Parallel after peanuts have emerged. (2) Do not graze or feed peanut forage or fodder to livestock for 30 days following application and (3) Do not apply within 90 days of harvest or illegal residues may result.

Southwest Only (NM OK TX)

1st Application Apply Parallel preplant incorporated or preemergence to before ground cracking as directed under

Peanuts Parallel Alone or apply Parallel + Balan preplant incorporated as directed previously in this section **Do not use Parallel after peanut emergence** If peanuts have emerged use PARALLEL PCS according to its label **2nd Application** Do not use Parallel Apply Parallel PCS at lay by as directed under Peanuts Parallel PCS Alone on that label 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 (1) Do not apply more than the equivalent of 2.6 lbs of metolochlor active ingredient per acre during any one year or illegal residues may result This includes Parallel PCS and Parallel but do not use Parallel after peanuts have emerged (2) Do not graze or feed peanut forage or fodder to livestock for 30 days following application and (3) Do not apply within 90 days of harvest or illegal residues may result

POD CROPS

Pod crops including garbanzo great northern beans kidney beans lima beans mung beans navy beans peas (English southern peas such as blackeye pinkey crowder etc) pinto beans snap beans (green wax string) and lupines (sweet white white sweet and grain)

PARALLEL ALONE

Fall Application

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

In all locations apply to crop stubble after harvest when the sustained soil temperature at a 4 inch depth is less than 55 F and falling In minimum till or no tillage systems on soils having greater than 2.5% organic matter use 1.65-2.0 pts/A on medium textured and 2.0 pts/A on fine textured soils Do not apply to frozen ground A tillage operation may precede the application A fall and/or a spring tillage may follow application but do not exceed an incorporation depth greater than 2.3 inches **Note** If a spring application is made the total rate of the fall plus spring applications must not exceed the maximum total rate for pod crops or illegal residues may result

Spring Application

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

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

Note To avoid possible illegal residues (1) Do not cut for hay within 120 days following a Parallel application and (2) Do not apply more than 2.0 pts/A of Parallel during any one crop year depending on soil texture

PARALLEL COMBINATIONS

Note When applying Parallel in combination on pod crops do not cut for hay within 120 days following application or illegal residues may result

Tank Mixture and Sequential Applications with Eptam Beans (Green or Dry)

This mixture controls all weeds controlled by Parallel alone and by Eptam alone Refer to the **Parallel Applied Alone** section of this label for weeds controlled by Parallel alone and to the Eptam label for weeds controlled by Eptam **Preplant Incorporated** Follow instructions for use of Parallel alone under **Application Procedures** **Sequential** Apply Eptam alone preplant incorporated as specified on that label Follow with a preemergence application of Parallel at rates specified for Parallel alone during planting (behind the planter) or after planting but before the weeds or crop emerge

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

Apply 2.5-4.5 pts/A of Eptam 7E* with Parallel as specified On coarse soils apply 0.85 pt/A of Parallel 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 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 if organic matter is less than 3% or 1.33-1.67 pts/A if organic matter is 3% or greater

Refer to the Eptam label for rate limitations depending on geographical area and for species and varietal restrictions **Precaution** Do not exceed 3.5 pts/A of Eptam 7E on small white beans or green beans grown on coarse textured soils

Tank Mixture with Treflan Beans (Dry Kidney Navy Pinto etc Lima and Snap)

Parallel + Treflan tank mix applied preplant incorporated controls those weeds listed under Parallel Applied Alone and those weeds listed for Treflan alone on the Treflan label Parallel + Treflan 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 Treflan label using equipment that provides uniform 2 inch incorporation

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

Note Follow all restrictions and precautions on the respective Treflan label and in the Pod Crops Parallel Alone section of this label

POTATOES**PARALLEL ALONE**

Apply Parallel either incorporated or preemergence according to directions specified below for control of weeds listed under the **General Information** section Within a rate range use the lower rate on soils relatively coarse textured or low in organic matter use the higher rate on soils relatively fine textured or high in organic matter Effectiveness will be reduced if later cultural practices expose untreated soil

Incorporated Apply Parallel at 1 0 2 0 pts/A to the soil and incorporate into the top 3 inches before planting using a finishing disk harrow rolling cultivator or similar implement Planting and later cultural practices should not bring untreated soil to the surface Postplant incorporated application may be made any time after planting to drag off but before potato emergence Use an implement that evenly distributes Parallel in the top 2 inches of soil Do not damage potato seed pieces or sprouts with incorporation equipment

Preemergence Apply Parallel 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 alone may be used where soil organic matter is between 6% and 20%

Precautions (1) Do not use on muck or peat soils If cool wet soil conditions occur after application Parallel may delay maturity and/or reduce yield of Superior and other early maturing potato varieties To avoid crop injury (2) Do not use on sweet potatoes or yams (3) Do not apply both as a preemergence and an incorporated treatment

Note Potatoes treated with Parallel must not be harvested within 60 days after the at planting to drag off application or illegal residues may result

PARALLEL COMBINATIONS**Tank Mixture with Sencor or Lexone**

In addition to those weeds controlled by Parallel alone Parallel 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 at 1 0 2 0 pts/A plus the labeled Sencor/Lexone use rate may be used preemergence Apply 1 0 1 33 pts/A of Parallel 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 will not control emerged weeds

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

Precautions (1) Do not apply to sweet potatoes or yams (2) Do not use this tank mixture on muck or peat soils

Note Potatoes treated with Parallel in tank mixture with Sencor or Lexone cannot be harvested within 60 days after application or illegal residues may result

Parallel + Lorox Tank Mixture (East of Rocky Mountains)

Parallel 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 + Lorox Potatoes (East of Rocky Mountains)

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	1% to Less Than 3% Organic Matter		3 5% Organic Matter	
	Parallel	Lorox	Parallel	Lorox
Coarse Sandy loam	1 0 pt	1 1 5 lbs	1 33 pts	1 5 2 lbs
Medium Loam silt loam silt	1 33 pts	1 5 2 lbs	1 67 2 0 pts	2 2 5 lbs

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

Tank Mixture with Prowl 4E

In addition to the weeds controlled by Parallel 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 + Prowl 4E preemergence or preemergence incorporated according to the specific directions on the Prowl 4E label using the rates in Table 8

Table 8 Parallel + Prowl 4E – Potatoes

SOIL TEXTURE	BROADCAST RATES PER ACRE	
	Less Than 3% Organic Matter	More Than 3% Organic Matter
	Parallel + Prowl 4E	Parallel + Prowl 4E
Coarse	1 0 1 33 pts + 1 1 5 pts	1 0 1 33 pts + 1 1 5 pts
Medium	1 33 pts + 1 5 2 pts	1 33 1 67 pts + 2 3 pts
Fine	1 33 1 67 pts + 2 3 pts	1 67 2 0 pts + 3 pts

When using other formulations of Prowl use equivalent rates of active ingredient

Refer to the Parallel and Prowl 4E labels and observe all directions timings limitations precautions and restrictions concerning the use of these products on potatoes and follow the most restrictive

Tank Mixture with Prowl 4E + Eptam

In addition to the weeds controlled by Parallel alone this tank mixture will control those species on the Prowl 4E and Eptam labels Refer to the Parallel + Prowl 4E labels for rates of those products and add Eptam 7E at 3 5 7 0 pts/A depending on geographical area Refer to the respective Parallel Prowl 4E and Eptam labels and observe all directions limitations precautions and restrictions concerning the use of these products on potatoes and follow the most restrictive

SAFFLOWER

PARALLEL ALONE

Preplant Incorporated or Preemergence Follow instructions for use of Parallel alone under Application Procedures On coarse soils apply 1 0 1 33 pts/A of Parallel if organic matter content is less than 3% or 1 33 pts/A if organic matter is 3% or greater On medium soils apply 1 33 1 67 pts/A of Parallel On fine soils apply 1 33 1 67 pts/A of Parallel 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 ALONE

Apply Parallel either preplant surface preplant incorporated or preemergence using the appropriate rate specified below Apply Parallel 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 under **Application Procedures** For minimum tillage or no tillage systems only Parallel may be applied up to 45 days before planting in CO IA IL KS MO NE and

SD Use only split applications for treatments made 30-45 days prior to planting with 2/3 of the broadcast rate applied initially and the remaining 1/3 at planting. Apply 1.50 pts/A of Parallel 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 on coarse soils not more than 2 weeks prior to planting. Under dry conditions irrigation after application is recommended to move Parallel into the soil.

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

Parallel tank mixtures with AAtrex may be applied in water or fluid fertilizer. Apply Parallel 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 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 + 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 + AAtrex may severely injure the crop. (3) Under high soil moisture conditions prior to sorghum emergence injury may occur following the use of Parallel + AAtrex. The crop will normally outgrow this effect. (4) Do not use Parallel + AAtrex on sorghum grown under dry mulch tillage or injury may occur. (5) Except for the split preplant surface treatment do not make more than one application per year or illegal residues may result.

Tank Mixture with AAtrex

In addition to the weeds controlled by Parallel alone Parallel + 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 under **Application Procedures**. For minimum tillage or no tillage systems only Parallel + AAtrex may be applied up to 45 days prior to planting in IA, IL, eastern KS, MO, NE, and SD. Use only split applications for treatments made 30-45 days prior to planting with 2/3 of the broadcast rate applied initially and the remaining 1/3 at planting. Apply 1.5 pts/A of Parallel + 1.72 lbs/A of AAtrex Nine O on medium soils with 1.5% organic matter or greater. Apply 1.5 pts/A of Parallel + 1.72 lbs/A of AAtrex Nine O on fine soils with less than 1.5% organic matter or apply 1.67 pts/A of Parallel + 2.22 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 + 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 under **Application Procedures**. On medium soils with 1.5% organic matter or greater apply 1.0 pt/A of Parallel + 1.3 lbs/A of AAtrex Nine O. On fine soils with less than 1.5% organic matter apply 1.0 pt/A of Parallel + 1.3 lbs/A of AAtrex Nine O. On fine soils with 1.5% organic matter or greater apply 1.2-1.33 pts/A of Parallel + 1.6-1.8 lbs/A of AAtrex Nine O.

When using AAtrex 4L use equivalent rates. One lb of AAtrex Nine O equals 1.8 pts of AAtrex 4L.

Precautions To avoid crop injury (1) Do not use on coarse soils (2) Do not use on medium soils with less than 1.5% organic matter (3) Do not use in NM, OK, or TX except in northeast OK and the TX Gulf Coast and Blacklands areas.

Tank Mixture of Parallel or Parallel + AAtrex with Gramoxone Extra, Landmaster BW, or Roundup for Minimum Tillage or No Tillage Systems

In minimum tillage or no tillage systems where sorghum (seed treated with Concep or Screen) is planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides Gramoxone Extra, Landmaster BW, or Roundup may be tank mixed with Parallel or Parallel + AAtrex. See Comment No. 7 following Chart 1. The Parallel or Parallel + AAtrex portion of the tank mixture provides preemergence control of the weeds listed.

24/36

on this label under the respective sections

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

Application Apply before during or after planting but before sorghum emerges at the appropriate rates listed under Grain or Forage Sorghum Parallel Alone or Parallel Combinations Parallel + AAtrex respectively Add Gramoxone Extra Landmaster BW or Roundup at the following broadcast rates

Gramoxone Extra 1 5 2 2 2 5 or 2 5 3 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

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

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

SOYBEANS

PARALLEL ALONE

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

Preplant Surface Applied

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 91 in NE and south of Route 30 in IA Apply after October 31 north of Route 136 in IL)

In all locations apply to crop stubble after harvest when the sustained soil temperature at a 4 inch depth is less than 55 F and falling In minimum till or no tillage systems on soils having greater than 2 5% organic matter use 1 67 2 0 pts/A on medium textured and 2 0 pts/A on fine textured soils Do not apply to frozen ground A tillage operation may precede the application A fall and/or a spring tillage may follow application but do not exceed an incorporation depth greater than 2 3 inches Minimize furrow and ridge formation in the tillage operations **Note** If a spring application is made the total rate of the fall plus spring applications must not exceed the maximum total rate for soybeans or illegal residues may result

Use on medium and fine soils with minimum tillage or no tillage systems in CO CT DE IA IL IN KS KY MA MD ME MI MN MO MT ND NE NH NY OH PA RI SD TN VA VT WI WV and WY Apply 2/3 the recommended rate of Parallel (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 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 On fine soils apply 1 33 1 67 pts/A of Parallel 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 may be used up to 2 55 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 rate applied to soybeans during any one crop should not exceed 2 55 pts/A

PARALLEL COMBINATIONS

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

Note For all of the following combinations Parallel may be used up to 2 3 pts/A on soils having an organic matter content between 6% and 20% The total Parallel rate applied to soybeans during any one crop year should not exceed 2 55 pts/A

Tank Mixture with Sencor or Lexone

In addition to those weeds controlled by Parallel alone Parallel + 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 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 alone under Application Procedures

Sequential Apply Parallel 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 + Sencor or Lexone Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE					
	0.5% to Less Than 3% Organic Matter			3% Organic Matter or Greater		
	Parallel		Sencor/ Lexone DF	Parallel		Sencor/ Lexone DF
Coarse Loamy sand (over 2% organic matter) sandy loam	0.85	1.0	0.33 lb	1.0 pt		0.5 lb
Medium	1.0	1.33 pts	0.5 lb	1.33 pts		0.67 lb
Fine	1.33 pts		0.67 lb	1.33	1.67 pts	0.67 lb
Mississippi Delta only Silty clay clay	1.33 pts		1.0 lb	1.33	1.67 pts	1.0 lb
Muck or Peat (soils with more than 20% organic matter)	DO NOT USE					

When using Sencor 4 or Lexone 4L multiply lbs of DF by 1.5 to get pts/A
 On all sand and on loamy sand with less than 2% organic matter do not use this tank mixture preemergence or the sequential treatment Do not use the tank mixture preplant incorporated on any sand loamy sand or sandy loam or crop injury may occur
 Use 0.5 lb /A if applied preplant incorporated

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

Tank Mixture with Lorox

In addition to those weeds controlled by Parallel alone Parallel + 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 + Lorox Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE					
	0.5% to Less Than 3% Organic Matter			3% Organic Matter or Greater		
	Parallel		Lorox DF	Parallel		Lorox DF
Coarse	0.85 pt		1 lb	1.0 pt		1.15 lbs
Medium	1.0 pt		1.15 lbs	1.33 pts		1.52 lbs
Fine	1.33 pts		2 lbs	1.33	1.67 pts	2.53 lbs
Muck or Peat (soils with more than 20% organic matter)	DO NOT USE					

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

Tank Mixture with Treflan

Parallel + Treflan tank mix applied preplant incorporated controls those weeds listed under the **Parallel Applied Alone** section and those weeds listed for Treflan Alone on the Treflan label Parallel + 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 labels using equipment that provides uniform 2 inch incorporation

Apply Parallel + Treflan tank mix using the appropriate rate from the **Soybeans Parallel 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 + Treflan Organic Matter Content Less Than 3%

SOIL TEXTURE	BROADCAST RATE PER ACRE		
	Parallel	Treflan E C	
	Organic Matter		
	Less Than 3%	Less Than 2%	2 3 %
Coarse	0.85 1.0 pt	1 pt	1.5 pts
Medium	1.0 pt	1.5 pts	1.5 pts
Fine	1.33 pts	2 pts	2 pts

Where a range of rates is given for Parallel 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 Alone section of this label

Tank Mixture with Scepter

This tank mixture controls all weeds controlled by Parallel alone and by Scepter alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel 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 + 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 + Scepter Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	Less Than 3% Organic Matter		3% or More Organic Matter	
	Parallel	Scepter	Parallel	Scepter
Coarse	0.85 pt	0.67 pt	1.0 pt	0.67 pt
Medium	1.0 pt	0.67 pt	1.33 pts	0.67 pt
Fine	1.33 pts	0.67 pt	1.33 1.67 pts	0.67 pt
Muck or Peat (soils with more than 20% organic matter)	DO NOT USE			

Use the higher rate of Parallel if heavy weed infestations are expected

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

Tank Mixture with Lorox Plus

This tank mixture controls all weeds controlled by Parallel alone and by Lorox Plus alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel and to the Lorox Plus label for weeds controlled by Lorox Plus Apply Parallel + Lorox Plus preemergence after planting but before soybeans emerge using rates in Table 13

Note Follow all use directions limitations precautions information regarding application to soybeans and rotational restrictions on the Parallel and Lorox Plus labels

Table 13 Parallel + Lorox Plus Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE	
	0.5-3% Organic Matter	
	Parallel	Lorox Plus (60DF)
Coarse	0.85 pt	12-14 oz
Medium	1.0 pt	14-16 oz
Fine	1.33 pts	16-18 oz

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

Tank Mixture with Gemini

This tank mixture controls all weeds controlled by Parallel alone and by Gemini alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel and to the Gemini label for weeds controlled by Gemini Apply Parallel + Gemini preemergence after planting but before soybeans emerge using rates in Table 14

Note Follow all use directions limitations precautions information regarding application to soybeans and rotational restrictions on the Parallel and Gemini labels

Table 14 Parallel + Gemini Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE	
	0.5-3% Organic Matter	
	Parallel	Gemini (60DF)
Coarse Sandy loam only	0.85 pt	12-16 oz
Medium	1.0 pt	16-20 oz
Fine	1.33 pts	20-24 oz

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

Tank Mixture with Canopy

This tank mixture controls all weeds controlled by Parallel alone and by Canopy alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel and to the Canopy label for weeds controlled by Canopy Apply preplant incorporated or **Preemergence** using the appropriate rates from Table 15

Preplant Incorporated Apply within 2 weeks of planting Uniformly incorporate into the top 1-2 inches of soil before planting soybeans

Preemergence Apply after planting but before soybeans emerge

Note Follow all use directions varietal restrictions limitations precautions information regarding application to soybeans and rotational restrictions on the Parallel and Canopy labels

Table 15 Parallel + Canopy Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	0.5 to Less Than 3% Organic Matter		3-5% Organic Matter	
	Parallel	Canopy	Parallel	Canopy
Coarse	0.85 pt	6.0-10 oz	1.0 pt	6.0-10 oz
Medium	1.0 pt	8.0-12 oz	1.33 pts	8.0-12 oz
Fine	1.33 pts	10-14 oz	1.33-1.67 pts	10-14 oz

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

Tank Mixture with Preview

This tank mixture controls all weeds controlled by Parallel alone and by Preview alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel 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 information regarding application to soybeans and rotational restrictions on the Parallel and Preview labels

Table 16 Parallel + Preview Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	0 5% to Less Than 3% Organic Matter		3 5% Organic Matter	
	Parallel	Preview 75DF	Parallel	Preview 75DF
Coarse	0 85 pt	6 oz	1 0 pt	7 oz
Medium	1 0 pt	7 oz	1 33 pts	8 oz
Fine	1 33 pts	8 oz	1 33 1 67 pts	9 10 oz

Precaution Do not apply to sand or to any soil with less than 0 5% organic matter or to any soil with pH greater than 6 8

Tank Mixture with Command

This tank mixture controls all weeds controlled by Parallel alone and by Command alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel and to the Command label for weeds controlled by Command Apply Parallel + 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 and Command labels

Table 17 Parallel + Command Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	Parallel		Command 4E	
	0 5 3% Organic Matter	Greater Than 3% Organic Matter	Northern Area	Southern Area
Coarse	0 85 pt	1 0 pt	1 5 2 pts	2 2 5 pts
Medium	1 0 pt	1 33 pts	1 5 2 pts	2 2 5 pts
Fine	1 33 pts	1 33 1 67 pts	1 5 2 pts	2 2 5 pts

Tank Mixture with Sonalan

This tank mixture controls all weeds controlled by Parallel alone and by Sonalan alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel and to the Sonalan label for weeds controlled by Sonalan

Apply Parallel 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 during planting (behind the planter) or after planting but before weeds or soybeans emerge

Table 18 Parallel + Sonalan Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE			
	Less Than 3% Organic Matter		3% or More Organic Matter	
	Parallel	Sonalan	Parallel	Sonalan
Coarse	1 0 1 33 pts	1 25 2 pts	1 33 pts	1 25 2 pts
Medium	1 33 1 67 pts	1 75 2 5 pts	1 33 1 67 pts	1 75 2 5 pts
Fine	1 33 1 67 pts	2 25 3 pts	1 67 2 pts	2 25 3 pts

29/36

Muck or Peat (soils with more than 20% organic matter)	DO NOT USE
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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 and Sonalan labels

Tank Mixture with Pursuit

This tank mixture controls all weeds controlled by Parallel alone and by Pursuit alone Refer to the **Parallel Applied Alone** section for weeds controlled by Parallel 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 + 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 of planting

Note Follow all use directions limitations precautions information regarding application to soybeans and rotational restrictions on the Parallel and Pursuit labels

Table 19 Parallel + Pursuit Soybeans

SOIL TEXTURE	BROADCAST RATES PER ACRE		
	Less Than 3% Organic Matter		3% or More Organic Matter
	Parallel	Parallel	Pursuit
Coarse	0.85 pt	1.0 pt	0.25 pt
Medium	1.0 pt	1.33 pts	0.25 pt
Fine	1.33 pts	1.33 1.67 pts	0.25 pt

Sequential Apply Parallel 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 will improve the consistency and level of control from Pursuit on most grass species Refer to the Pursuit postemergence label for a listing of weeds controlled application rate and growth stage limitations

Tank Mixture with Lexone Sencor Scepter Lorox Lorox Plus Gemini Canopy Preview or Pursuit plus Gramoxone 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 + Sencor or Lexone Parallel + Scepter Parallel + Lorox Parallel + Lorox Plus Parallel + Gemini Parallel + Canopy Parallel + Preview or Parallel + 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 + Sencor/Lexone Scepter Lorox Lorox Plus Gemini Canopy Preview or Pursuit portion of the tank mixture provides preemergence control of the weeds listed on this label in the tank mixture section for Parallel + Sencor/Lexone Parallel + Scepter Parallel + Lorox Parallel + Lorox Plus Parallel + Gemini Parallel + Canopy Parallel + Preview and Parallel + 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 + Sencor/Lexone Parallel + Scepter Parallel + Lorox Parallel + Lorox Plus Parallel + Gemini Parallel + Canopy Parallel + Preview and Parallel + 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 2.2 2.5 or 2.5 3 pts/A to 1.3 inches 3.6 inches or 6 inch tall weeds respectively Apply surfactant at 1.0 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 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 + Lexone/Sencor + Gramoxone Extra or Roundup

On loamy sand with over 2% organic matter apply 1 0 pt/A of Parallel + 0 33 0 5 lb/A of Sencor or Lexone DF On medium soils apply 1 33 pts/A of Parallel + 0 5 0 67 lb/A of Sencor or Lexone DF On fine soils apply 1 33 1 67 pts/A of Parallel + 0 67 lb/A of Sencor or Lexone DF

When using Sencor 4 or Lexone 4L multiply lbs of DF by 1 5 to get pts/A

Precautions To avoid crop injury (1) Do not use this tank mixture on soil with less than 0 5% organic matter on alkaline soil with a pH over 7 4 or on all sand and on loamy sand with less than 2% organic matter (2) If heavy rain occurs soon after application crop injury may result especially in poorly drained areas where water stands for several days or where the seeding slit has not been properly closed

Parallel + Scepter + Gramoxone Extra or Roundup

On coarse soils apply 1 0 pt/A of Parallel + 0 67 pt/A of Scepter On medium soils apply 1 33 pts/A of Parallel + 0 67 pt/A of Scepter On fine soils apply 1 67 pts/A of Parallel + 0 67 pt/A of Scepter

Note (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 + Lorox + Gramoxone Extra or Roundup

On coarse soils apply 1 0 pt/A of Parallel + 1 1 5 lbs/A of Lorox DF On medium soils apply 1 33 pts/A of Parallel + 1 2 lbs/A of Lorox DF On fine soils apply 1 33 1 67 pts/A of Parallel + 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 + 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 + 12 14 oz/A of Lorox Plus 60DF On medium soils apply 1 33 pts/A of Parallel + 14 16 oz/A of Lorox Plus On fine soils apply 1 33 1 67 pts/A of Parallel + 16 18 oz/A of Lorox Plus

Precaution Do not apply to sand or to any soil with pH greater than 6 8

Parallel + Gemini + Gramoxone Extra or Roundup

Use only where soils have 0 5 3% organic matter On coarse soils (sandy loam only) apply 1 0 pt/A of Parallel + 12 16 oz/A of Gemini 60DF On medium soils apply 1 33 pts/A of Parallel + 16 20 oz/A of Gemini On fine soils apply 1 33 1 67 pts/A of Parallel + 20 24 oz/A of Gemini

Precaution Do not apply to sand or loamy sand or to any soil with less than 0 5% organic matter or to any soil with pH greater than 7 0 except as noted on the Gemini label

Parallel + 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 on medium soils apply 1 33 pts/A of Parallel and on fine soils apply 1 33 1 67 pts/A of Parallel Refer to the Canopy label for appropriate rate according to geographical location soil and organic matter classification pH limitations and all other use directions

Precaution Do not apply to sand or to any soil with less than 0 5% organic matter or to any soil with pH greater than 7 0 except as noted on the Canopy label

Parallel + Preview + 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 + 6 7 oz/A of Preview 75DF On medium soils apply 1 33 pts/A of Parallel + 7 8 oz/A of Preview On fine soils apply 1 33 1 67 pts/A of Parallel + 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 + Pursuit + Gramoxone Extra or Roundup

On coarse soils apply 1 0 pt/A of Parallel + 0 25 pt/A of Pursuit On medium soils apply 1 33 pts/A of Parallel + 0 25 pt/A of Pursuit On fine soils apply 1 67 pts/A of Parallel + 0 25 pt/A of Pursuit

31/36

Tank Mixture with Broadstrike + Parallel PCS

For preplant surface preplant incorporated or preemergence application where severe grass populations are expected on *medium* or *fine textured soils* with relatively high organic matter content Broadstrike + Parallel PCS may be spiked with Parallel for optimum performance Refer to the Broadstrike + Parallel PCS label for its use rate and the amount of metolachlor active ingredient it contains Parallel may be added up to but not to exceed the maximum alone Parallel label rate for the soil classification Refer to the respective labels and follow all directions limitations and restrictions for each product.

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
 - 2 To **one** of the jars add 1/4 tsp or 1.2 milliliters of a compatibility agent approved for this use such as Compex or Unite (1/4 tsp is equivalent to 2 pts/100 gals spray). Shake or stir gently to mix.
 - 3 To **both** jars add the appropriate amount of herbicide(s). If more than one herbicide is used add them separately with dry herbicides first, flowables next, and emulsifiable concentrates last. After each addition 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 teaspoons 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 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 signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the 2 jars. If either mixture separates but can be remixed readily the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible test the following methods of improving compatibility: (A) slurry the dry herbicide(s) in water before addition, or (B) add 1/2 of the compatibility agent to the fertilizer and the other 1/2 to the emulsifiable concentrate or flowable herbicide before addition to the mixture. If incompatibility is still observed do not use the mixture.

APPENDIX B Low Carrier Application For Broadcast Ground Application Only

Use sprayers such as Ag Chem RoGator, Hagie, John Deere Hi Cycle, Melroe Spra Coupe, Tyler Patriot or Willmar Air Ride that provide accurate and uniform application. **Only water may be used as a carrier.** Screens in suction and in line strainers should be 50 mesh. Manufacturers may require that tip screens as fine as 100 mesh be used with some nozzles. Use a pump with capacity to (1) maintain up to 35-40 psi at the nozzles and (2) provide sufficient agitation in tank to keep mixture in suspension. Use a minimum of 5 gals of spray mixture per acre. Maximum recommended sprayer speed is 15 mph. Rinse sprayer thoroughly with clean water immediately after each use.

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

APPENDIX C Aerial Application

Apply Parallel in water alone or in tank mixtures with AAtrex, Lexone, Lorox, or Sencor in a minimum total volume of 2 gals/A by aircraft. Parallel may also be applied by air in combination with Balan, Prowl, or Treflan. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. In order to assure that spray will be controllable within the target area when used according to label directions make applications at a maximum height of 10 ft using low drift nozzles at a maximum pressure of 40 psi and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants apply Parallel alone or Parallel + AAtrex by aircraft at a minimum upwind distance of 400 ft from sensitive plants, or apply Parallel + Lexone, Lorox, or Sencor at a minimum upwind distance of 300 ft from sensitive plants. Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

Aerial Drift Management

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

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

- 1 The distance of the 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 Management Information on Droplet Size

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

Controlling Droplet Size

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets
- Pressure Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure
- Number of Nozzles Use the minimum number of nozzles that provide uniform coverage
- Nozzle Orientation Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential
- Nozzle Type Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift

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 upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.)

Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided when wind speed is below 2 mph due to variable wind directions 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. The 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 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, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Operating Instructions

- 1 The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2 The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
- 3 The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4 The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5 The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6 Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump or piston pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7 Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8 Prepare a mixture with a minimum of 1 part 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 1/2 to 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 alone or selected Parallel tank mixtures which are registered for preplant incorporated or preplant surface application which are used to control weeds in crops on the Parallel label and are not prohibited from use on dry bulk granular fertilizers.

When applying Parallel or Parallel 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 and Parallel mixtures onto the fertilizer must be placed to provide uniform spray coverage. Care should be taken to aim the spray directly onto the fertilizer only and to avoid spraying the walls of the blender.

35/36

If the herbicide/fertilizer mixture is too wet add a highly absorptive material such as Agsorb® or Celatom MP 79® or similar granular clay or diatomaceous earth materials to obtain a dry free flowing mixture Absorptive materials should be added only after the herbicide has been thoroughly blended into the fertilizer mixture Best application results will be obtained by using a granule of 6/30 particle size or of a size similar to that of the fertilizer material being used Generally less than 2% by weight of absorptive material will be needed Avoid using more than 5% absorptive material by weight

Calculate amounts of Parallel AAtrex AAtrex + Princep Princep Sencor Lexone or Sonalan by the following formula

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

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

Pneumatic (Compressed Air) Application (Parallel Alone) High humidity high urea concentrations low fertilizer use rates and dusty fertilizer may cause fertilizer mixture to build up or plug the distributor head air tubes or nozzle deflector plates To minimize buildup premix Parallel with Exxon Aromatic 200 at a rate of 1.4 pts/gal of Parallel Aromatic 200 is a noncombustible/nonflammable petroleum product Aromatic 200 may be used in either a fertilizer blender or through direct injection systems Drying agents should not be used when using Aromatic 200

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

Precautions To avoid potential for explosion (1) Do not impregnate Parallel or Parallel mixtures on ammonium nitrate potassium nitrate or sodium nitrate either alone or in blends with other fertilizers (2) Do not use Parallel or Parallel 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 1/4 full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times Puncture and dispose of in a sanitary landfill or by incineration or by open burning if allowed by state and local authorities If burned keep 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 1/4 full with water Replace and

tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Puncture and dispose of in a sanitary landfill or by incineration or by open burning if allowed by state and local authorities If burned keep out of smoke

Refillable Container (greater than 55 gallons) 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 For final disposal offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

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

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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