

# SPECIMEN LABEL

# MCPA ESTER 4

ACTIVE INGREDIENT:	%w/w
2-ethylhexyl ester of 2-methyl-4-chlorophenoxyacetic acid*	69.7%
OTHER INGREDIENTS:	30.3%
TOTAL	100.0%

\*Equivalent to 44.7% of 2-methyl-4-chlorophenoxyacetic acid isomer specific of not less than 3.7 pounds of 2-methyl-4-chlorophenoxyacetic acid isomer specific per gallon at 68°F. Isomer specific by AOAC Method.

Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN /**  
**MANTENER FUERA DEL ALCANCE DE LOS NIÑOS**  
**CAUTION/ PRECAUCIÓN**

See inside booklet for complete First Aid, Precautionary Statements, Directions for Use, Storage and Disposal and Conditions of Sale and Warranty.  
 For 24-hour chemical spill, leak, fire, exposure or accident response information, call CHEMTREC toll free at 1-800-424-9300.

**HERBICIDE FOR SELECTIVE CONTROL OF CERTAIN WEEDS**

**IN WHEAT, OATS, BARLEY, RYE, INTERMEDIATE WHEATGRASS, GRASSLAND AND IN NON-CROP AREAS**

Manufactured by:  
**ALBAUGH, LLC**  
 1525 NE 36th Street, Ankeny, IA 50021



**SELECTIVE HERBICIDE**

EPA Reg. No. 42750-23  
 AD022025S

**ALBAUGH®**  
 your alternative

<b>FIRST AID / PRIMEROS AUXILIOS</b>	
<b>IF SWALLOWED</b> <b>/</b> <b>SI SE INGIERE:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give any liquid to the person.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
	<ul style="list-style-type: none"> <li>• Llame inmediatamente a un centro de control de envenenamientos o a un médico para consejo de tratamiento.</li> <li>• No induzca el vómito a menos que así se lo indique un centro de control de envenenamientos o un médico.</li> <li>• No administre ningún líquido al paciente.</li> <li>• No administre nada por vía oral a una persona inconsciente.</li> </ul>
<b>IF INHALED</b> <b>/</b> <b>SI ES INHALADO:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
	<ul style="list-style-type: none"> <li>• Traslade a la persona a un lugar con aire fresco.</li> <li>• Si la persona no está respirando, llame al 911 o a una ambulancia inmediatamente. Luego proceda a dar respiración artificial, preferiblemente de boca a boca, si es posible.</li> <li>• Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b> <b>/</b> <b>SI ESTÁ EN LA PIEL O EN LA ROPA:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
	<ul style="list-style-type: none"> <li>• Quítese la ropa contaminada.</li> <li>• Enjuague la piel inmediatamente con bastante agua por 15-20 minutos.</li> <li>• Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento.</li> </ul>
<b>HOT LINE NUMBER / NÚMERO DE LA LÍNEA DIRECTA</b>	
<p>For non-emergency questions regarding exposure to this product, call 1-888-347-6732 (7 days/week, 24-hr/day). For medical emergencies, call the poison control center at 1-800-222-1222. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>Para preguntas que no sean de emergencia relacionadas con la exposición a este producto, llame al 1-888-347-6732 (7 días a la semana, 24 horas al día). Para emergencias médicas, llame al centro de control de envenenamientos a 1-800-222-1222. Cuando llame a un centro de control de envenenamientos, o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto.</p>	
<b>NOTE TO PHYSICIAN</b>	
<p>Contains petroleum distillate - vomiting may cause aspiration pneumonia.</p>	
<b>NOTA AL MÉDICO</b>	
<p>Contiene un destilado de petróleo; el vómito puede provocar neumonía por aspiración.</p>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

## DECLARACIONES DE PRECAUCIÓN

### RIESGOS PARA LOS SERES HUMANOS Y ANIMALES DOMÉSTICOS

**PRECAUCIÓN.** Dañino si se ingiere, inhala, o absorbe por la piel. No permita que caiga en los ojos, la piel o la ropa. Evite respirar vapor, rociado o aerosol. Lávese con abundante agua y jabón luego de manipular los pesticidas. Quítese y lave la ropa contaminada antes de reutilizarla.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, flaggers and other handlers must wear:

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves made of barrier laminate or butyl rubber  $\geq 14$  mils
- Shoes plus socks

Additional PPE requirements for mixers and loaders supporting aerial application to rangelands, pasture lands, or noncropland. These mixers/loaders also must wear:

- A chemical resistant apron, and
- A NIOSH-approved particulate filtering respirator equipped with any N, R, or P class filter media with NIOSH approval prefix TC-84A. It is recommended that the respirator wearer be fit tested, and trained in the use, maintenance, and limitations of the respirator.

## ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.607(e-f)].

For aerial application to high-acreage field crops:

- handlers must use closed mixing loading systems during mixing and loading liquids for aerial application to barley, flax, oats, pasture and rangeland grass, rye, triticale, wheat, and grass grown for seed.

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 170.607(e-f)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## EQUIPO DE PROTECCIÓN PERSONAL (PPE, por sus siglas en inglés)

Las personas que mezclan, cargan, aplican y otros manipuladores que pueden estar expuestos al producto concentrado deben usar:

- Camisa de manga larga y pantalones largos
- Guantes resistentes a productos químicos hechos de laminados impermeables, o goma de butilo ( $\geq 14$  mils)
- Zapatos y calcetines (medias)

Requisitos adicionales de EPI para mezcladores y cargadores que realizan aplicaciones aéreas en pastizales, pastizales o tierras no cultivables. Estos mezcladores/cargadores también deben usar:

- Delantal resistente a productos químicos
- Un respirador para polvos y partículas aprobado por NIOSH que esté equipado con un filtro purificador o material de filtración de las series N, R, o P. El respirador deberá tener un número de aprobación del NIOSH y prefijo TC-84A. Se recomienda que el usuario del respirador se someta a una prueba de ajuste y reciba capacitación sobre el uso, el mantenimiento y las limitaciones del respirador.

## CONTROLES DE INGENIERÍA

Los pilotos deben utilizar una cabina cerrada que cumpla con los requisitos enumerados en el WPS para pesticidas agrícolas [40 CFR 170.607(e-f)].

Para aplicación aérea en cultivos de gran superficie:

- Los manipuladores deben utilizar sistemas cerrados de mezcla y carga durante la mezcla y carga de líquidos para aplicación aérea en cebada, lino, avena, pastos y pastizales, centeno, triticale, trigo y pastos cultivados para semilla.

Cuando los manipuladores utilizan sistemas cerrados, cabinas cerradas o aeronaves de una manera que cumpla con los requisitos enumerados en la Norma de protección del trabajador (WPS) para pesticidas agrícolas [40 CFR 170.607(e-f)], los requisitos de EPP del manipulador pueden reducirse o modificarse según se especifica en la WPS.

## USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

## RECOMENDACIONES DE SEGURIDAD PARA EL USUARIO

Los usuarios:

- Lávese las manos antes de comer, beber, masticar chicle, usar tabaco o ir al baño.
- deben quitarse inmediatamente la ropa/equipo de protección personal (PPE) si el pesticida penetra o ingresa a los mismos. Luego deben lavarse muy bien y ponerse ropa limpia.
- Los usuarios deben quitarse inmediatamente el equipo de protección personal (PPE) luego de manipular este producto. Lave el exterior de los guantes antes de quitárselos. Tan pronto sea posible, lávese muy bien y póngase ropa limpia.

## 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 washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## PHYSICAL AND CHEMICAL HAZARDS

**DO NOT** use or store near heat or open flame.

### GROUND WATER ADVISORY

MCPA ESTER 4 is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

### SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having high potential for reaching surface water via runoff for several months or more after application.

A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of MCPA ESTER 4 from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

### NON-TARGET ORGANISMS ADVISORY

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

## PELIGROS AMBIENTALES

**NO** aplique directamente a cuerpos de agua, en áreas donde haya aguas superficiales, o en áreas intermareales que se encuentren bajo el nivel de altura máxima promedio del agua. **NO** contamine cuerpos de agua cuando disponga de las aguas de lavado de equipo o aguas de enjuague. La deriva o el rociado y las escorrentías pueden ser peligrosas para los organismos acuáticos en aguas adyacentes a las áreas tratadas. Las corrientías de este producto pueden ser reducidas al evitar aplicaciones cuando estén pronosticados lluvia o irrigación dentro de 48 horas.

Este químico tiene propiedades y características asociadas con químicos detectados en aguas subterráneas. Este químico se puede filtrar a aguas subterráneas si es utilizado en áreas donde el suelo es permeable, especialmente en donde la tabla de agua está cercana a la superficie.

## PELIGROS FÍSICOS Y QUÍMICOS

**No** utilice ni almacene cerca del calor o llamas abiertas.

### AVISO DE AGUAS SUBTERRÁNEAS

MCPA ESTER 4 puede filtrarse a aguas subterráneas bajo ciertas condiciones como resultado de la utilización de [nombre de químico] como indicado en la etiqueta. Este químico se puede filtrar a aguas subterráneas si es utilizado en áreas donde el suelo es permeable, especialmente en donde la tabla de agua está cercana a la superficie.

### AVISO DE AGUAS SUPERFICIALES

Este producto puede impactar la calidad de cuerpos de agua superficiales debido a escorrentías de aguas pluviales. Esto es especialmente notable en suelos con poco drenaje y suelos con una tabla de agua que está cercana a la superficie.

Este producto está clasificado como de alto potencial de llegar a las aguas superficiales a través de la escorrentía durante varios meses o más después de su aplicación.

Una franja de protección o amortiguamiento vegetativo, nivelada y bien mantenida entre las áreas donde este producto es utilizado y cuerpos de agua superficiales tales como lagos (lagunas), ríos y manantiales, reducirá el posible movimiento de MCPA ESTER 4 hacia aguas de escorrentía y sedimentos. Escorrentías de este producto pueden ser reducidas al evitar aplicaciones cuando estén pronosticados lluvia o irrigación dentro de 48 horas.

### AVISO SOBRE ORGANISMOS NO OBJETIVO

Este producto es tóxico para las plantas y puede afectar negativamente el forraje y el hábitat de organismos no objetivo, incluidos los polinizadores, en áreas adyacentes al sitio tratado. Proteja el forraje y el hábitat de estos organismos siguiendo las instrucciones de la etiqueta para minimizar la deriva de la pulverización.

## 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.

## LAS INSTRUCCIONES DE USO

Es una violación de la ley federal utilizar este producto de manera inconsistente con lo indicado en su etiqueta. **NO** aplique este producto de forma que entre en contacto con trabajadores u otras personas, ya sea directamente o por deriva. Solo se permite la presencia de manipuladores con protección en el área durante la aplicación. Para conocer los requisitos específicos de su estado o tribu, consulte con la agencia responsable de la regulación de pesticidas.

### 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**.

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 made of barrier laminate or butyl rubber  $\geq 14$  mils
- Shoes plus socks

### REQUISITOS DE USO AGRÍCOLA

Utilice este producto únicamente de acuerdo con su etiquetado y con la Norma de Protección al Trabajador, Título 40 del Código de Reglamentos Federales, Parte 170. Esta norma contiene requisitos para la protección de los trabajadores agrícolas en granjas, bosques, viveros e invernaderos, así como para quienes manipulan plaguicidas agrícolas. Incluye requisitos de capacitación, descontaminación, notificación y asistencia en caso de emergencia. También contiene instrucciones específicas y excepciones relativas a las declaraciones de esta etiqueta sobre el equipo de protección personal (EPP) y el intervalo de entrada restringida. Los requisitos de este recuadro solo se aplican a los usos de este producto contemplados en la Norma de Protección al Trabajador.

**NO** ingrese ni permita el ingreso de trabajadores a las áreas tratadas durante el intervalo de entrada restringida (REI) de **12 horas**.

El EPP requerido para el ingreso temprano a áreas tratadas que está permitido según la Norma de Protección del Trabajador y que implica contacto con cualquier cosa que haya sido tratada, como plantas, tierra o agua, es:

- Overol (mameluco)
- Guantes resistentes a productos químicos hechos de laminados impermeables, o goma de butilo ( $\geq 14$  mils)
- Zapatos y calcetines (medias)

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter treated areas without protective clothing until sprays have dried.

**DO NOT** enter or allow others to enter the treated area until sprays have dried.

### REQUISITOS DE USO NO AGRÍCOLA

Los requisitos de este recuadro se aplican a los usos de este producto que NO están dentro del alcance de la Norma de Protección al Trabajador para plaguicidas agrícolas (40 CFR Parte 170). La Norma de Protección al Trabajador (WPS) se aplica cuando este producto se utiliza para producir plantas agrícolas en granjas, bosques, viveros o invernaderos. No entre en las áreas tratadas sin ropa protectora hasta que los aerosoles se hayan secado.

**NO** entre ni permita que otros entren al área tratada hasta que los aerosoles se hayan secado.

## MANDATORY SPRAY DRIFT MANAGEMENT

### **Aerial Applications:**

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572 and S641).
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed-wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

### **Ground Boom Applications:**

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

### **Boomless Ground Applications:**

- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572) for all applications.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **Controlling Droplet Size – Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

### **Controlling Droplet Size – Aircraft**

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

### **BOOM HEIGHT – Ground Boom**

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **RELEASE HEIGHT – Aircraft**

- Higher release heights increase the potential for spray drift.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or 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. Avoid applications during temperature inversions.

## WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

## BOOMLESS GROUND APPLICATIONS:

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

## Handheld Technology Applications:

- Take precautions to minimize spray drift.

## RESTRICTIONS

For aerial application to high-acreage field crops:

- Handlers must use closed mixing loading systems during mixing and loading liquids for aerial application to barley, flax, oats, pasture and rangeland grass, rye, triticale, wheat, and grass grown for seed.

**DO NOT** apply this product using a backpack sprayer.

## PRODUCT INFORMATION

Local conditions may affect the use of this chemical. Consult State Agricultural Extension or Experiment Station Weed Specialists for specific recommendations for local weed problems and for information on possible lower dosages. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith. **DO NOT** apply this product through any type of irrigation system.

## CONTROLS THESE AND OTHER WEEDS

### SUSCEPTIBLE (MOST AREAS):

Annual sowthistle  
Beggarticks  
Cocklebur  
Dragonhead mint  
Field peppergrass  
Goatsbeard

Hempnettle  
Lambsquarters (goosefoot)  
Marshelder  
Mustards (annual)  
Poison hemlock  
Puncturevine

Ragweed  
Shepherdspurse  
Stinkweed (pennycress, fanweed)  
Wild radish  
Yellow rocket or wintercress

### LESS SUSCEPTIBLE:

Buttercups  
Canada thistle  
Chervil  
Dandelions  
Kochia

Miner's lettuce  
Perennial sow  
Plantains  
Purslane  
Russian pigweed

Sunflower  
Vetch  
White top or hoary cress  
Stinging nettle

## WEED RESISTANCE MANAGEMENT

For resistance management, MCPA ESTER 4 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to MCPA ESTER 4 and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of MCPA ESTER 4 or other Group 4 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.



- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species.
- If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

For further information or to report suspected resistance, contact Albaugh, LLC at 1-800-247-8013.

### **PREPARATION OF THE SPRAY**

Fill the spray tank with half the required amount of water, then add the recommended amount of MCPA ESTER 4 and continue filling the spray tank with the balance of water. Keep agitator running when filling spray tank and during spray operations. When cleaning equipment, **DO NOT** pour washwater on the ground; spray or drain over a large area away from wells and other water sources.

**DO NOT** apply MCPA ESTER 4 by aerial application in the vicinity of sugar beets. **DO NOT** apply MCPA ESTER 4 around houses, recreation sites, or similar areas.

### **AMOUNT OF SPRAY TO APPLY**

Apply 5 to 15 gallons of total spray per acre when making applications with ground equipment and 2 to 5 gallons of total spray per acre when making applications by aircraft unless directed otherwise under specific directions. Carefully read the Environmental Hazards section of the Precautionary Statements for further information on spray volume.

## **SPECIFIC USE INSTRUCTIONS**

### **WHEAT, OATS, BARLEY AND RYE**

Apply as a water mix spray by ground sprayer or airplane. Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to boot stage. Use up to 1 2/3 pints per acre for the less susceptible weeds after crop has tillered and up to early boot stage.

#### **Use Restrictions:**

- **DO NOT** spray from boot to dough stage.
- **DO NOT** forage or graze meat animals on treated areas within 7 days of slaughter.
- **DO NOT** forage or graze dairy animals on treated areas within 7 days after treatment.
- **DO NOT** apply more than 1 2/3 pints (26.6 fl. oz.) (0.75 lb acid equivalent) per acre per year

### **FLAX**

Use 1/4 to 1/2 pint per acre. Apply by ground sprayer or by airplane. Apply only when weeds are up and when flax is 4 to 8 inches high and before it comes into bud. Treatment after early bud stage may result in severe damage. If Canada thistle is present, it may be necessary to go as high as 1/2 pint per acre to prevent seed head production. Some injury to the flax may result.

#### **Use Restrictions:**

- **DO NOT** forage or graze meat animals on treated areas within 7 days of slaughter.
- **DO NOT** forage or graze dairy animals on treated areas within 7 days after treatment.
- **DO NOT** apply more than 1/2 pint (0.25 lb acid equivalent) per acre per year.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.



## INTERMEDIATE WHEATGRASS

Apply as a water mix spray by ground sprayer or airplane. Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage (usually 4 to 8 inches tall), but before the boot stage.

### Use Restrictions:

- **DO NOT** spray from boot through milk stage of growth.
- **DO NOT** forage or graze meat animals on treated areas within 7 days of slaughter.
- **DO NOT** forage or graze dairy animals on treated areas within 7 days after treatment.
- **DO NOT** apply more than 1 2/3 pints (26.6 fl. oz.) (0.75 lb. acid equivalent) per acre per year.

## ESTABLISHED PASTURE/RANGELAND

Use 1 to 3 pints per acre. Apply by ground sprayer in not less than 5 gallons or by airplane in not less than two gallons total spray volume. Use higher rate for White Top, Canada thistle and other less susceptible weeds. Spray perennials in early bud to full bloom stage and regrowth in fall; other weeds in spring or fall, when actively growing.

### Use Restrictions:

- **DO NOT** forage or graze meat animals on treated areas within 7 days of slaughter.
- **DO NOT** forage or graze dairy animals on treated areas within 7 days after treatment.
- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per application.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.

## GRASSES GROWN FOR SEED

Aerial and ground applications: Use 1 to 2 pints per acre, the higher rate where weed stands are heavy. In established grasses, apply in spring before head comes into boot and on seedling grass after grass has tillered.

Note: For weed control in grasses, repeated treatment may be needed for less susceptible weeds. In some areas bent, buffalo, carpet and St. Augustine grasses may also be injured by treatment.

### Use Restrictions:

- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per year.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.

## INDUSTRIAL VEGETATION MANAGEMENT

(Including areas such as Roadsides, Fence Rows, Rights-of-Way and similar places to control Canada Thistle, White Top And Meadow Buttercup)

For spot treatment, use 1/4 pint in 3 to 4 gallons of water. Spray to wet weeds thoroughly when in bud to early bloom and again on fall regrowth.

### Use Restrictions:

- **DO NOT** apply this product using a backpack sprayer.
- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per application.
- **DO NOT** apply more than 6 1/2 pints (3.0 lb MCPA ESTER 4 acid equivalent) per acre per year.
- **DO NOT** make more than 2 applications with a minimum retreatment interval of 21 days.

For broadcast treatment apply 2 to 3 pints per acre in sufficient water to give coverage for most extensive areas. Spray to wet weeds thoroughly when in bud to early bloom and again on fall regrowth.

### Use Restrictions:

- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per year.
- **DO NOT** forage or graze livestock or dairy animals on treated areas within 7 days of treatment.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.

GOLF COURSES

For controlling whitetop, dandelions and similar weeds, apply 1 to 2 pints per acre in sufficient water to provide thorough coverage. Treatment may reduce stands of clover which may be present. **DO NOT** apply to newly seeded turf until grass has become well established. MCPA ESTER 4 may injure bent or other creeping grass types. For best result treat thistles when in the early bud stage.

Use Restrictions:

- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per year.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.

SOD FARMS

For broadcast application, apply 1 to 3 pints per acre in a spray volume of 10 to 100 gallons of water. Use the higher rate for heavy infestations or less susceptible weed species. For best results, apply in spring or fall when weeds are rapidly growing and **DO NOT** mow for 2 days before or after application. For spot treatment in small areas, use 1 fluid ounce per 1000 square feet in 1 to 3 gallons of spray and apply uniformly.

NOTE: Repeat applications may be required for less susceptible weeds. In some areas, bent, buffalo, carpet and St. Augustine grasses may also be injured.

Use Restrictions:

- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per year.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.

ESTABLISHED LAWNS & RESIDENTIAL TURF

Use 1 to 3.2 pints per acre in 10 to 120 gallons of water to give thorough coverage. Use higher rate for White top and Canada thistle. On smaller areas, use 1 fluid ounce (4 tablespoonfuls) mixed in 1 to 3 gallons of water and apply uniformly over 1,000 square feet. **DO NOT** exceed specified application dosages for any area. Avoid applying during excessively dry or hot periods unless irrigation (watering) is used before treatment. For best results, **DO NOT** apply if rainfall is expected within 48 hours, and **DO NOT** irrigate lawn for 48 hours. For optimum results, turf should not be mowed for 1 to 2 days before and after application. Reseed no sooner than 3 to 4 weeks after application of this product. Spring and fall are best times to treat. **DO NOT** use on lawns or creeping grasses, such as bent, except for spot spraying, nor on freshly-seeded turf until the grass has become well established, usually after the third mowing.

Use Restrictions:

- **DO NOT** apply more than 3 1/4 pints (52 fl. oz.) (1.5 lb MCPA ESTER 4 acid equivalent) per acre per application.
- **DO NOT** apply more than 6 1/2 pints (104 fl. oz.) (3.0 lb MCPA ESTER 4 acid equivalent) per acre per year.
- **DO NOT** apply more than 2 applications per year with a minimum retreatment interval of 21 days.

STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a dry location away from children, animals, foods, feeds, seeds and other agricultural chemicals. Keep container closed when not using. **DO NOT** allow water into container as this may cause deterioration of product. Handle in accordance with information given under “Precautionary Statements.” Keep storage area locked when not in use.

In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust or other absorbent material. Scrape up and dispose of in accordance with information given under “Pesticide Disposal.” Repackage and relabel usable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

ALMACENAMIENTO Y DESECHO

No contamine agua, comida, ni forrajes mediante el almacenamiento o desecho.

**ALMACENAMIENTO DE PESTICIDAS:** Almacenar en un lugar seco, fuera del alcance de niños, animales, alimentos, piensos, semillas y otros productos químicos agrícolas. Mantener el envase cerrado cuando no se utilice. NO permitir que entre agua en el envase, ya que esto podría deteriorar el producto. Manipular de acuerdo con la información de la sección “Precauciones”. Mantener el área de almacenamiento cerrada con llave cuando no se utilice.

En caso de derrame o fuga, absorba el material con arcilla absorbente, arena, aserrín u otro material absorbente. Raspe y deseche de acuerdo con la información proporcionada en la sección “Eliminación de pesticidas”. Reenvase y etiquete el producto utilizable en un recipiente resistente. En caso de incendio u otra emergencia, informe de inmediato llamando al 800-424-9300.

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## STORAGE AND DISPOSAL

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**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

Non-refillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

≤5 gallons

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

>5 gallons

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use for disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the 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 process two more times.

## ALMACENAMIENTO Y DESECHO

(continuar)

**DESECHO DE PESTICIDAS:** Los desechos resultantes del uso de este producto pueden eliminarse en el sitio o en una instalación de eliminación de desechos aprobada.

**MANIPULACIÓN DE RECIPIENTES:** Recipiente no rellenable. **NO** reutilice ni rellene este recipiente. Ofrezca para el reciclaje si está disponible. Enjuague tres veces o enjuague a presión el recipiente (o equivalente) inmediatamente después de vaciarlo.

≤5 galone

Enjuague tres veces siguiendo estas indicaciones: vacíe los contenidos restantes en el equipo de aplicación o un tanque de mezclar, y drene por 10 segundos después de que el flujo empiece a gotear. Llene el recipiente ¼ lleno con agua y tape de nuevo. Agite por 10 segundos. Eche el enjuague en el equipo de aplicación o tanque de mezclar, o almacene el enjuague para uso más tarde o eliminación. Drene por 10 segundos después de que el flujo empiece a gotear. Repita este procedimiento dos veces más.

>5 galones

Enjuague tres veces siguiendo estas indicaciones: vacíe los contenidos restantes en el equipo de aplicación o un tanque de mezclar. Llene el recipiente ¼ lleno con agua. Reemplace y asegure los cierres. Vuelque el recipiente al lado y hágalo rodar por 30 segundos, asegurando por lo menos una revolución completa. Ponga el recipiente vertical e inclínelo hacia adelante y hacia atrás varias veces. Dé vuelta al recipiente hacia el lado opuesto e inclínelo hacia adelante y hacia atrás varias veces. Eche el enjuague en el equipo de aplicación o tanque de mezclar, o almacene el enjuague para uso más tarde o eliminación. Repita este procedimiento dos veces más. Enjuague a presión siguiendo estas indicaciones: vacíe los contenidos restantes en el equipo de aplicación o un tanque de mezclar, y drene por 10 segundos después de que el flujo empiece a gotear. Mantenga el recipiente boca abajo sobre el equipo de aplicación o un tanque de mezclar, o recolecte el enjuague para uso más tarde o la eliminación. Inserte la boquilla de enjuague a presión en el lado del recipiente y enjuague a aproximadamente 40 PSI por al menos 30 segundos. Drene por 10 segundos después de que el flujo empiece a gotear.

Recipiente rellenable. Rellene este recipiente únicamente con pesticida. No reutilice este recipiente para ningún otro propósito. La limpieza del recipiente antes de su eliminación final es responsabilidad de la persona que se deshace del recipiente. La limpieza antes de rellenar es responsabilidad de la persona que rellena. Limpiar el recipiente antes de su eliminación final vacíe los contenidos restantes de este envase en el equipo de aplicación o un tanque de mezclar. Llene el envase hasta 10 por ciento lleno con agua. Agite vigorosamente o recircule el agua con la bomba por 2 minutos. Eche o bombee el enjuague en el equipo de aplicación o sistema de recolección de enjuague. Repita este procedimiento por dos veces más.

## **CONDITIONS OF SALE AND WARRANTY**

The DIRECTIONS FOR USE of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 ALBAUGH, INC., its Supplemental Distributors, or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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