



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Morris Gaskins  
Registrations Manager  
Albaugh, Inc.  
P.O. Box 2127  
Valdosta, GA 31604-2127

JUN 13 2008

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Mr. Gaskins:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated May 29, 2008 for:

**EPA Registration 42750-68**  
**✓EPA Registration 42750-82**

**Outlaw**  
**Picloram + 2,4-D IVM**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-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 me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-8893.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

2/15



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 42750-82	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Picloram + 2,4-D IVM	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Albaugh Inc. P.O. Box 2127 Valdosta, GA 31604-2127 <input type="checkbox"/> Check if this is a new address	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**  
 JUN 13 2008

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> 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 in PR Notice 2007-4 and the 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 statement 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:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
					<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5, 30, 250 bulk		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph Paper glued Stenciled		<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Morris Gaskins	Title Registrations Manager	Telephone No. (Include Area Code) 229-244-3288
<p align="center"><b>Certification</b></p> <p>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.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Manager	
4. Typed Name Morris Gaskins	5. Date May 29, 2008	

JUN 18 2008

EDITOR's NOTE: Marked draft for PR Notice 2007-4 Container Disposal label notification dated 6/9/08

RESTRICTED USE PESTICIDE

May injure (phytotoxic) susceptible, non-target plants. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

PICLORAM + 2,4-D IVM

Picloram + 2,4-D IVM is a weed and brush herbicide for control of unwanted annual and perennial broadleaf weeds, woody plants, and vines on forest planting sites and non-crop areas including industrial, manufacturing and storage sites; rights-of-way, such as railroads, electric power lines, communication lines, pipelines, highways; and wildlife openings in forest and non-crop areas.

ACTIVE INGREDIENTS:

Picloram: 4-amino-3,5,6-trichloropicolinic acid, triisopropanolamine salt.....	10.2%
2,4-dichlorophenoxyacetic acid, triisopropanolamine salt .....	39.6%
OTHER INGREDIENTS: .....	50.2%
TOTAL: .....	100.0%

Picloram + 2,4-D IVM contains the following acid equivalents: picloram: 4-amino-3,5,6-trichloropicolinic acid - 5.7% (0.54 lb./gal.); 2,4-dichlorophenoxyacetic acid - 21.2% (2 lbs./gal.).

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED:	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See inside booklet for additional PRECAUTIONARY STATEMENTS

EPA Reg. No. 42750-82

EPA Est. No. Xxxxxx-xx-xxx

NET CONTENTS

MANUFACTURED BY:  
Albaugh, Inc.  
Ankeny, IA 50021

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL CHEMTREC (800) 424-9300

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are butyl rubber, natural rubber, neoprene or nitrile rubber. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, flaggers, and other handlers must wear:

Long-sleeved shirt and long pants.

Shoes and socks.

Chemical resistant gloves when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

Chemical resistant apron when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

Goggles or face shield

See engineering controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. 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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

ENGINEERING CONTROL STATEMENTS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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

This pesticide is toxic to some plants at very low concentrations. Non-target plants may be adversely affected if pesticide is allowed to drift from areas of application.

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

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. Application around a cistern or well may result in contamination of drinking water or groundwater.

Picloram is known to leach through soil into groundwater 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 groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, picloram 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 groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetative filter strips, and areas over-laying tile drainage systems that drain to surface water.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

### PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

### 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.

Every 2 years starting January 1, 2008, the registrant will offer training to applicators which will cover applications techniques and product stewardship particular to their use(s) of this product (Picloram + 2,4-D IVM, EPA Reg. No. 42750-82). Applicators of this product must be able to provide certification of such training on demand to the State, Tribal or Federal enforcement agent.

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 48 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:

1. Coveralls
2. Chemical-resistant gloves made of any waterproof material.
3. Shoes plus socks
4. Protective eyewear

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.

Entry Restrictions for Non-WPS Uses: Do not enter or allow others to enter the treated area until sprays have dried.

GENERAL INFORMATION

Picloram + 2,4-D IVM is a weed and brush herbicide recommended for control of unwanted annual and perennial broadleaf weeds and woody plants and vines on forest planting sites and non-crop areas including industrial, manufacturing and storage sites; rights-of-way, such as railroads, electric power lines, communication lines, pipelines, highways; and wildlife openings in forest and non-crop areas.

To control broadleaf weeds, use Picloram + 2,4-D IVM at rates of 1/2 to 2 gallons per acre and at rates of 1 to 2 gallons per acre to control woody plants and vines. Picloram + 2,4-D IVM may be tank mixed with Garlon™ 4 or Garlon™ 3A herbicides, or 4 lbs./gal. 2,4-D low-volatile esters registered for sites listed on this label to control mixed woody plant and vine species. When tank mixing, observe all precautions, directions and limitations on both products' labeling. In all cases, use the amounts specified in enough water to give thorough and uniform coverage of the plants to be controlled.

Note: Picloram + 2,4-D IVM does not readily mix with oil. Use a non-ionic surfactant such as Ortho® X-77, Triton® AG-98 or Tronic® for all applications. Follow the use directions and precautions listed on the surfactant manufacturer's label. When applying lower spray volumes per acre, use the higher recommended concentrations of surfactant in the spray mixture.

Sprayer Clean-Out: To avoid injury to desirable plants, equipment used to apply Picloram + 2,4-D IVM should be thoroughly cleaned before reusing to apply any other chemicals.

1. Rinse and flush application equipment thoroughly after use. Dispose of rinse water in non-cropland area away from water supplies.
2. Rinse a second time, adding 1 qt. of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15 to 20 minutes). Let the solution stand for several hours, preferably overnight.
3. Flush the solution out of the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Nozzles and screens should be removed and cleaned separately.

**PRECAUTIONS AND RESTRICTIONS**

**Maximum Use Rates:**

Do not exceed 8 quarts per acre of this product per annual growing season on rights-of-way and other non-crop areas. On forest sites, no more than 8 quarts per acre may be applied within a period of 2 annual growing seasons. Refer to Specific Use Directions for more detail on rate restrictions.

**Chemigation:** Do not apply this product through any type of irrigation system.

Use this product only as specified on this label. Observe any special use and application restrictions and limitations, including method of application and permissible areas of use as promulgated by state authorities.

Be sure that use of this product conforms to all applicable regulations.

Do not make application when circumstances favor movement from treatment site.

Do not rotate food or feed crops on treated land if they are not registered for use with picloram until an adequately sensitive bioassay or chemical test shows that no detectable picloram is present in the soil.

Do not allow or otherwise permit Picloram + 2,4-D IVM or sprays containing Picloram + 2,4-D IVM to contact crops or other desirable broadleaf plants including, but not limited to, alfalfa, beans, cotton, grapes, melons, peas, potatoes, safflower, soybeans, sugar beets, sunflower, tobacco, tomatoes and other vegetable crops, flowers, fruit plants, ornamentals or shade trees.

Do not contaminate water intended for irrigation or domestic purposes. To avoid injury to crops or other desirable plants, do not treat or allow spray drift or run-off to fall onto banks or bottoms of irrigation ditches, either dry or containing water, or other channels that carry water that may be used for irrigation or domestic purposes. Do not apply to snow or frozen ground.

Do not apply Picloram + 2,4-D IVM on residential or commercial lawns or near ornamental trees and shrubs. Untreated trees can occasionally be affected by root uptake of herbicide through movement into the topsoil or by excretion of the product from the roots of nearby treated trees. Do not apply Picloram + 2,4-D IVM within the root zone of desirable trees unless such injury can be tolerated.

Do not move treated soil to other areas or use it to grow plants if they are not registered for use with picloram until an adequate sensitive bioassay or chemical test shows that no detectable picloram is present in the soil.

Do not spray if the loss of legumes cannot be tolerated. Picloram + 2,4-D IVM may injure or kill legumes. New legume seedlings may not grow within 2 years following application of this product. Allow 7 days of grazing on an untreated grass pasture before transferring livestock from treated grazing areas onto sensitive broadleaf crop areas. Otherwise, urine may contain enough picloram to cause injury to sensitive broadleaf plants.

Do not use manure from animals grazing treated areas on land used for growing broadleaf crops, ornamentals, orchards or other susceptible, desirable plants. Manure may contain enough picloram to cause injury to susceptible plants.

Do not use plant material from treated areas for composting or mulching of susceptible broadleaf plants.

Avoid injury to newly planted conifers. Conifer planting intervals vary. Pines planted sooner than 6 months after treatment with Picloram + 2,4-D IVM may be injured in the South or west of the Cascade Mountains. Other conifers, west of the Cascade Mountains, may be injured if planted sooner than 8 to 9 months after treatment. For all conifers, the waiting period between treatment and planting should be 11 to 12 months in the area between the Cascade and Rocky Mountains and 8 to 9 months in the Lake States and Northeastern U.S.

**Avoid Injurious Spray Drift**

Applications should be made only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible crops or ornamental plants near enough to be injured. Use a continuous smoke column at or near the spray site or a smoke generator on the spray equipment to detect air movement, lapse conditions or temperature inversions. If the smoke layers or indicates a potential of hazardous spray drift, do not spray.

For aerial application on rights-of-way or other areas near susceptible crops, use Nalco-Trol® drift control as recommended by the manufacturer or apply the Microfoil® or Thru-Valve® boom or use an equivalent drift control system. Thickened sprays prepared by using high viscosity invert systems, or other drift control additives or systems, may be utilized if drift control is comparable to that obtained with Nalco-Trol® or the Microfoil® or Thru-Valve® boom. If a spray-thickening agent is used, follow all use recommendations and precautions on the product label. Do not use a thickening agent with the Microfoil® boom, or other systems that cannot accommodate thick sprays.

Drift can be lessened with aircraft by applying a coarse spray; by using spray pressures no greater than are required to obtain adequate plant coverage; by using straight stream nozzles directed straight back; by spraying only when wind velocities are low; or by using an approved drift control system.

**Ground Equipment:**

To aid in reducing spray drift, use Picloram + 2,4-D IVM in thickened (high viscosity) spray mixtures using Nalco-Trol® drift control additive or equivalent as directed by the manufacturer. With ground equipment, spray drift can be reduced by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; by using spray pressures no greater than are required to obtain adequate plant coverage; and by spraying when wind velocity is low. Do not apply with hollow cone-type insecticide or other nozzles that produce a fine droplet spray.

**High Volume Leaf-Stem Treatment:**

Spray drift may be minimized by using spray pressures no greater than are required to obtain adequate plant coverage and spraying no higher than brush tops. Avoid excessive pressures that result in formation of fine spray mists. Nalco-Trol® thickening agent or equivalent may be used to reduce spray drift. Do not apply this product through a mist blower.



### SPRAY DRIFT

A variety of factors including weather conditions (e.g. wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

#### Droplet Size

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

#### Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

#### Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

#### Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

#### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

#### Equipment

All aerial equipment and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

For aerial equipment, the boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications.

When applications are made in a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

For ground boom application, do not apply with a nozzle height greater than 4 feet above the crop canopy.

### PLANTS CONTROLLED BY PICLORAM + 2,4-D IVM

#### Annual and Perennial Broadleaf Weeds

bindweed, field	goldenrod	rush skeleton weed
bouncingbet	horsenettle	sowthistle
carrot, wild	knapweed	spurge, leafy
chicory	milkweed	starthistle, yellow
clover	plantain	thistles
dandelion	prickly lettuce	toadflax
dock	ragweed	vetch
fleabane	ragwort, tansy	

#### Woody Plants and Vines

ailanthus	fir, balsam	persimmon
alder	gorse	pine
aspen	gum	poison oak
birch	hemlock	sassafras
blackberry	hickory	sourwood
bracken fern	honeysuckle	spruce
buttonbush	kudzu	sumac
cherry	locust	tulip poplar
Douglas fir	maple	wild rose
elm	oak	willow

### SPECIFIC USE DIRECTIONS

#### NON-CROPLAND

(Fencerows, Roadsides, Ditches, Rights-of-Way, Utility Power Lines, Railroads, Airports, and Industrial Sites)

#### High Volume Leaf-Stem Treatment

To control broadleaf weeds, vines and other woody plants, use 4 quarts of Picloram + 2,4-D IVM and dilute to make 100 gallons of spray. To control a wider range of plant species, mix 1 to 2 quarts of Picloram + 2,4-D IVM with 1-to-3 quarts of Triclopyr 4E herbicide or 1-to-4 quarts of Triclopyr 3A herbicide or 4 lbs./gal. 2,4-D low-volatile ester and dilute to make 100 gallons of spray. Provide thorough spray coverage after foliage is well developed. For woody plants, apply the spray mixture in a manner that thoroughly wets all leaves, stems, and root collars. For hard-to-kill species such as ash and oak, also wet the soil around the root collar. The amount of spray mixture applied per acre will vary with plant size and density; however, total use of Picloram + 2,4-D IVM must not exceed 8 quarts per acre.

Note: Do not allow the spray, even as minute amounts of spray drift, to contact desirable broadleaf plants, and do not wet the soil over roots of such plants.

Broadcast Ground or Aerial Foliage Treatment

For ground applications, make applications of Picloram + 2,4-D IVM in 15 or more gallons of total spray mixture per acre. For aerial applications, use 5 to 20 gallons of spray mixture per acre. Use higher spray volumes where plants are tall, where the vegetation to be treated is dense or where difficult to control species are present.

Broadleaf Annual and Perennial Weed and Woody Vine Control:

Apply Picloram + 2,4-D IVM at rates of 2 to 4 quarts per acre in a water spray mixture. Apply to problem weeds and vines any time after growth begins in the spring and late in summer or fall.

Apply 2-to-3 quarts of Picloram + 2,4-D IVM per acre in water spray for season control of vigorously growing stands of field bindweed, Canada thistle or mixtures of these with susceptible annual weeds such as ragweed, dandelion, plantain, clovers and dock.

Use up to 4 quarts of Picloram + 2,4-D IVM per acre in arid areas and for control of more resistant perennial weeds. Use up to 4 quarts per acre to control species such as Canada thistle, field bindweed and milkweed. The higher rates should be used under drought stress conditions and for the more resistant species such as bouncingbet, leafy spurge, toadflax and woody vines. The spectrum of activity can be improved by tank mixing 2 to 4 quarts of Picloram + 2,4-D IVM with 1/3-to-1 gallon of Triclopyr 3A or 1-to-3 quarts of Triclopyr 4E per acre.

Woody Plant Control:

Use Picloram + 2,4-D IVM at the rate of 4 to 8 quarts per acre in a water spray mixture.

Use 4 to 6 quarts of Picloram + 2,4-D IVM per acre in a water spray mixture for susceptible seedling stages of species such as aspen, cherry and sumac.

For more mature and/or less susceptible species such as poison oak, blackberries, Douglas fir, willow, buttonbush, black locust, sassafras, sumac, tulip poplar and cherry, use 8 quarts of Picloram + 2,4-D IVM per acre in a water spray mixture.

For more resistant brush such as maple, pine, sourwood, blackgum, cedar and oak, and to improve the spectrum of species controlled, 4 to 8 quarts of Picloram + 2,4-D IVM per acre can be tank-mixed with 1 1/2-to-2 gallons per acre of Triclopyr 3A, Triclopyr 4E or 4 lbs./gal. 2,4-D low volatile ester.

Note: Use the higher rates for best results under conditions of drought stress. Even these rates under such conditions may not be as effective as the lower rates under good growing conditions.

BROADCAST CUT STUBBLE TREATMENT

Apply Picloram + 2,4-D IVM at the rate of 8 quarts per acre in 25 or more gallons of a water spray mixture to prevent resprouting of susceptible woody species after mowing or hand-cutting on non-crop areas and rights-of-way. For best results, make applications before or during periods of active root growth. Do not apply when the soil surface is frozen or covered by snow or standing water. Make applications soon after cutting, before sprouting of woody species has occurred.

NON-CROPLAND RESTRICTIONS:

- Postemergence (annual & perennial weeds): Do not make more than 2 applications per year.

- Postemergence (annual & perennial weeds): Do not apply more than 4 quarts per acre per application.
- Postemergence (annual & perennial weeds): Minimum spray interval between applications is 30 days.
- Postemergence (woody plants): Do not make more than 1 application per year.
- Postemergence (woody plants): Do not apply more than 8 quarts per acre per application.

Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

Picloram+2,4-D IVM contains 0.5 pounds a.e. of 2,4-D per quart. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 4.0 pounds of 2,4-D a.e. per acre per year.

**BROADCAST TREATMENTS FOR FOREST SITE PREPARATION**  
(Not for Conifer Release)

For broadcast applications, apply the recommended rate of Picloram + 2,4-D IVM in a total spray volume of 5-to-25 gallons per acre by air or 10-to-100 gallons per acre by ground. Use spray volumes sufficient to provide thorough coverage of treated foliage. Use application systems designed to prevent spray drift to off-target sites. Nozzles or additives that produce larger droplets may require higher spray volumes to provide adequate coverage. Note: This use is not intended for conifer release (see General Use Precautions).

Southern states including Alabama, Arkansas, Delaware, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Tennessee, Texas and Virginia:

Apply Picloram + 2,4-D IVM at a rate of 6-to-8 quarts per acre to control susceptible woody plants and broadleaf weeds. Apply 6-to-8 quarts per acre of Picloram + 2,4-D IVM in tank-mix combination with 2-to-4 quarts per acre of Triclopyr 4E herbicide to broaden the spectrum of woody plants and broadleaf weeds controlled. Where grass control is also desired, Picloram + 2,4-D IVM alone, or in combination with Triclopyr 4E, may be tank-mixed with 1-to-4 quarts per acre of Accord™, Gly Star Plus™ or Roundup® herbicides, or 8-to-16 fluid ounces per acre of Arsenal® Applicator's Concentrate. Susceptible woody plants, broadleaf weeds and grasses may also be controlled using a tank-mix of 6-to-8 quarts per acre of Picloram + 2,4-D IVM and 3-to-5 quarts of Accord™, Gly Star™ Original or Roundup® herbicide, or 16-to-24 fluid ounces of Arsenal® Applicator's Concentrate. When applying tank mixes, follow the directions for use and precautions on each product label.

In Western, Northeastern, North Central and Lake States (States not listed above as Southern States):

To control susceptible woody plants and broadleaf weeds, apply Picloram + 2,4-D IVM at a rate of 4-to-8 quarts per acre. Apply 4-to-8 quarts per acre of Picloram + 2,4-D IVM in tank-mix combination with 1 ½-to-3 quarts of Triclopyr 4E to broaden the spectrum of woody plants and broadleaf weeds controlled. Where grass control is also desired, Picloram + 2,4-D IVM alone, or in combination with Triclopyr 4E, may be tank-mixed with 1-to-3 quarts per acre of Accord™, Gly Star™ Plus or Roundup®, or 2-to-4 fluid ounces of Oust®, or a combination of Accord™, Gly Star™ Plus or Roundup®, plus Oust® at the rates listed, or 8-to-16 fluid ounces of Arsenal® Applicator's Concentrate. When applying tank mixes, follow the directions for use and precautions on each product label.

### Conifer Strip Thinning in the Northeastern United States

To thin stands of naturally regenerated spruce and fir by applying herbicide in treated bands or strips which alternate with untreated bands or strips, apply Picloram + 2,4-D IVM such that the application rate in the treated bands or strips is 8 quarts of herbicide per acre in a total spray mixture volume of 12 to 20 gallons. Make applications during the period of active conifer growth. To obtain the precise placement of spray mixture in the treated bands that is required for this technique, aerial applications should be made using a helicopter equipped with a Microfoil® or Thru-Valve® boom. Multiple treated bands may be obtained within a single spray swath by establishing alternating series of flowing and blocked spray nozzles.

Note: Injury or death of desired residual conifers may result if spray mixture is permitted to contact their foliage as a result of inaccurate flight guidance during aerial application or as a result of spray drift from treated into untreated strips.

#### FORESTRY RESTRICTIONS:

- Do not make more than one broadcast application per year.
- Do not apply more than 8 quarts per acre per broadcast application within a period of 2 annual growing seasons.

#### CUT SURFACE TREATMENTS

In forest and other non-crop areas to kill unwanted trees such as elm, maple, oak and pine, apply Picloram + 2,4-D IVM diluted with water as described below.

Tree Injector Method: Make applications by injecting 1/2 milliliter of undiluted Picloram + 2,4-D IVM or 1 milliliter of the diluted solution through the bark at intervals of 3 inches between edges of the injector wound. The injections should completely surround the tree at any convenient height.

Note: No Worker Protection Standard worker entry restrictions or worker notification requirements apply when this product is directly injected into agricultural plants.

Frill or Girdle Method: Make a single girdle through the bark completely around the tree at a convenient height. Wet the cut surface with the diluted solution.

Stump Treatment: Paint or spray to wet the cut surfaces of freshly cut stumps or stubs with Picloram + 2,4-D IVM diluted in water. All of the cambium area next to the bark is the most vital area to wet.

Dilution Ratio: Maximum of 16 quarts Picloram+2,4-D IVM in 100 gallons of water.

The above methods may be used successfully in any season except during periods of heavy sap flow of certain species, such as maples, or during drought periods. Untreated trees within a few feet of the treated trees or stumps may be injured or killed.

#### CUT SURFACE & INJECTION RESTRICTIONS:

- Do not make more than one basal or cut surface application per year.
- Do not use more than 22 pints per 100 gallons of spray solution.
- Do not make more than one injection application per year.
- Do not apply more than 4 ml of formulation per injection site.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep container tightly closed when not in use. If exposed to subfreezing temperatures, the product should be warmed to at least 40°F and thoroughly mixed before using. Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

~~CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.~~

**CONTAINER DISPOSAL: Non-refillable containers (1, 2.5, 30 & 55 gallon): Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.**

**(non-refillable <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.**

**(non refillable >5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.**

**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 (250 gallon & bulk): 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.**

### 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 should 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. All such risks shall be assumed by the Buyer.

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