

81927-17

03/03/2009

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

MAR 23 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Alligare, LLC  
c/o Michael Kellog  
Pyxis Regulatory Consulting, Inc.  
4110 136th St. NW  
Gig Harbor, WA 98332

Subject: Alligare Picloram K  
EPA Registration No. 81927-17  
Amended main labeling submitted February 20, 2009

Dear Mr. Kellog:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This amended labeling supersedes all previously accepted labeling with the exception of supplemental labeling. A stamped copy of labeling is enclosed for your records.

Submit one copy of final printed labeling before you release the product for shipment. Please include an electronic label in pdf text format of the final printed labeling with your submission. If you have any questions about this letter, you may contact Tobi Colvin-Snyder at 703-305-7801 or Colvin-Snyder.Tobi@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Tompkins", written over a circular stamp.

Jim Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

**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.

## Alligare Picloram K

For control of annual and perennial broadleaf weeds, woody plants, and vines on non-crop areas including forest planting sites, industrial manufacturing sites, rights-of-way such as electrical power lines, communication lines, pipelines, roadsides, railroads, and wildlife openings in forest and non-crop areas.

**Not for sale, use, or distribution in Nassau and Suffolk Counties in New York State.**

**ACTIVE INGREDIENT:**

Picloram: 4-amino-3,5,6-trichloropicolinic acid, potassium salt .....24.4%

**OTHER INGREDIENTS:** .....75.6%

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

Alligare Picloram K contains the following acid equivalent:

Picloram: 4-amino-3,5,6-trichloropicolinic acid – 21.1% (2 lb./gal.)

**KEEP OUT OF REACH OF CHILDREN**

### WARNING/AVISO

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	
<b>If in eyes:</b>	<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>
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.	

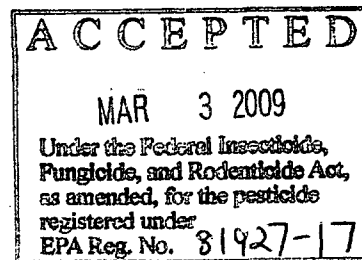
**See inside booklet for additional PRECAUTIONARY STATEMENTS**

**EPA Reg. No. 81927-17**

**EPA Est. No.**

**Manufactured For:**  
Alligare, LLC  
13 N. 8<sup>th</sup> Street  
Opelika, AL 36801

**Net Contents:**



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves Category A, such as barrier laminate ≥ 14 mils, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**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.

**ENGINEERING CONTROLS**

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

**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. 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. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment or disposal of wastes or rinsates. Do not allow runoff or spray to contaminate wells, irrigation ditches or any body of water used for irrigation or domestic purposes. Do not make application when circumstances favor movement from treatment site.

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.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is not intended for manufacturing or formulating.

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.

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 Category A, such as barrier laminate ≥ 14 mils, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks
- 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 worker entry into treated areas until sprays have dried, unless applicator and other handler PPE is worn.

**GENERAL INFORMATION**

Use Alligare Picloram K for control of unwanted annual and perennial broadleaf weeds, woody plants and vines on non-crop areas including forest planting sites, industrial manufacturing sites; rights-of-way such as electrical power lines, communication lines, pipelines, railroads, roadsides, and wildlife openings in forest and non-crop areas.

**Sprayer Clean-Out:** To avoid injury to desirable plants, equipment used to apply Alligare Picloram K should be thoroughly cleaned before reusing to apply any other chemicals.

1. Rinse and flush application equipment thoroughly after use at least three times with water. Dispose of rinse water in non-cropland area away from water supplies.
2. Rinse a second time, adding 1 quart of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15-20 min.). 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: Total use of Alligare Picloram K must not exceed 1 lb. ae picloram (2 quarts of Alligare Picloram K) per acre per annual growing season on rights-of-way and other non-crop areas. No more than 1 lb. ae picloram (2 quarts of Alligare Picloram K) per acre may be applied one time every two years to forest sites.

- 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 forage legumes cannot be tolerated. Alligare Picloram K may injure or kill legumes. New legume seedlings may not grow within 2 years following application of this product.
- 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.
- Observe any special use and application restrictions and limitations, including method of application and permissible areas of use as promulgated by state authorities.
- Do not allow or otherwise permit Alligare Picloram K or sprays containing Alligare Picloram K 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 runoff 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 Alligare Picloram K 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 Alligare Picloram K within the root zone of desirable trees unless such injury can be tolerated.
- 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.
- Do not apply this product through a mist blower.
- Avoid injury to newly planted conifers. Conifer planting intervals vary. Pines planted sooner than 6 months after treatment with Alligare Picloram K 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.

## **AERIAL SPRAY DRIFT MANAGEMENT**

### **Spray 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 is responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed  $\frac{3}{4}$  the length of the wingspan or rotor.
2. Nozzles must always point backward 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](#).

### **Aerial Drift Reduction Advisory**

[This section is advisory in nature and does not supersede the mandatory label requirements.]

### **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  $\frac{3}{4}$  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 target 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 downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.)

**Wind**

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**Temperature and Humidity**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**Sensitive Areas**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

**For aerial application** on rights-of-way or other areas near susceptible crops, use Nalco-Trol<sup>®</sup> drift control as recommended by the manufacturer or apply through a Microfoil<sup>®</sup> or Thru-Valve<sup>®</sup> 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<sup>®</sup> or the Microfoil<sup>®</sup> or Thru-Valve<sup>®</sup> 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<sup>®</sup> boom, or other systems that cannot accommodate thick sprays.

**Ground Equipment:** 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; by using large droplet-producing nozzle tips; 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 can be reduced 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.

## PLANTS CONTROLLED BY ALLIGARE PICLORAM K

### Annual and Perennial Broadleaf Weeds

Artichoke thistle	Larkspurs
Absinth wormwood	Leafy spurge
Bouncingbet	Locoweed
Broom snakeweed	Lupines
Burroweed	Milkweeds
Bursage	Musk thistle
Canada thistle	Rush skeletonweed
Chicory	Russian thistle
Clover	Sowthistle
Fleabane	Starthistles
Field bindweed	Tansy ragwort
Goldenrod	Toadflax
Horsenettle	Wild carrot
Knapweeds	Wild parsnip

### Woody Plants and Vines

Aspen	Liveoak
Blackberries	Locust
Buttonbush	Maple
Cactus species	Mesquite
Catclaw acacia	Oak
Cedar	Persimmon
Chaparral species	Pine
Dogwood	Poison oak
Douglas fir	Poplars
Firs	Rabbitbrush
Fringed sagebrush	Salmonberry
Gorse	Sassafras
Guava	Sourwood
Gums	Spruce
Haw	Sumac
Hemlock	Trumpet creeper
Hickory	Willows
Java plum	Juniper
Lantana	

### APPLICATION

To control broadleaf weeds, woody plants, and vines use Alligare Picloram K at rates of ¼ to 2 quarts per acre. Alligare Picloram K may be tank mixed with Garlon® 4 Herbicide, Garlon® 3A Herbicide, 2,4-D amines or low-volatile esters, and Weedone® 2,4-DP to control mixed plant species. When tank mixing, observe all precautions, directions, and limitations on each product label. In all cases, use the amounts specified in enough spray volume to give thorough and uniform coverage of the plants to be controlled.



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### To Prepare Water-Based Sprays Containing Alligare Picloram K

Add the total required amount of water to the spray tank. When using Nalco-Trol® drift control additive, add at rates specified on its container while using continuous agitation. Next, add the required amount of Alligare Picloram K. If a tank mixture of herbicides is to be used, add the required amount of Garlon® 4 Herbicide or Garlon® 3A Herbicide, 2,4-D 3.8 lb./gal. amine or low volatile ester such as Albaugh's 2,4-D Amine 4 or 2,4-D LV4, or Weedone® 2,4-DP. Use a nonionic agricultural surfactant, such as Ortho® X-77, Triton® AG-98, or Tronic® for all applications. When using surfactants, follow the use directions and precautions listed on the surfactant manufacturer's label. Use the higher recommended concentrations of surfactant in the spray mixture when applying lower spray volumes per acre. Continuous agitation should be maintained while mixing the spray.

### High Volume Leaf-Stem Treatment

To control vines and other woody plants, use ½-to-4 quarts of Alligare Picloram K and dilute to make 100 gallons of spray (do not exceed 2 quarts of Alligare Picloram K per acre). To control a wider range of plant species, mix ½-to-1 quart of Alligare Picloram K with 1-to-3 quarts of Garlon® 4 Herbicide or 1-to-4 quarts of Garlon® 3A Herbicide or 4-to-8 quarts of 3.8 lb./gal. 2,4-D amine or low volatile ester such as Albaugh's 2,4-D Amine 4 or 2,4-D LV4, and dilute to make 100 gallons of spray mixture.

Provide thorough spray coverage after foliage is well developed. Apply the spray mixture in a manner that thoroughly wets all leaves, stems, and root collars. For hard-to-kill species such as hickory 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 Alligare Picloram K must not exceed 2 quarts per acre.

### Spot Treatment of Broadleaf Weeds

Use ¼-to-4 quarts of Alligare Picloram K in 100 gallons of water and spray weed foliage uniformly. In tank mix combinations, use ¼-to-1 quart Alligare Picloram K with 1-to-2 quarts of Garlon® 4 Herbicide or 1-to-3 quarts of Garlon® 3A Herbicide or with 1-to-2 quarts of 2,4-D 3.8 lb./gal. amine or low volatile ester such as Albaugh's 2,4-D Amine 4 or 2,4-D LV4 or with 2/3-to-1 1/3 quarts of 5.6 lb./gal. 2,4-D low volatile ester. The amount of spray mixture per acre will vary with plant size and density; however, total use of Alligare Picloram K must not exceed 2 quarts per acre.

### Broadcast Ground or Aerial Foliage Treatment

For ground applications, make applications of Alligare Picloram K in 15 or more gallons of total spray mixture per acre. For aerial applications, use 1 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 Alligare Picloram K at rates of ¼-to-2 quarts per acre. Apply to problem weeds and vines any time after growth begins in the spring before full bloom and late in summer or fall. Suggested rates to control several broadleaf weeds are shown in the table below.

Weed Species	Rates of Alligare Picloram K Per Treated Acre
Yellow Starthistle, Scotch Thistle, Musk Thistle, Ox-eye Daisy	¼-to-1/2 quart
Artichoke Thistle, Diffuse Knapweed, Spotted Knapweed, Henbane, Buffalobur, Lupines, Locoweeds, Broom Snakeweed	½-to-1 quart
Pricklypear and Cholla cactus, Burroweed, Plains Larkspur	1-to-2 quarts
Canada Thistle, Rush Skeletonweed, Russian	2 quarts

Weed Species	Rates of Alligare Picloram K Per Treated Acre
Knapweed, Dalmatian Toadflax, White Horsenettle	
Tall Larkspur, Leafy Spurge, Field Bindweed, Poison Oak	2 quarts

In tank mix combinations, use ¼-to-1 quart Alligare Picloram K per acre with 1-to-3 quarts of Garlon® 4 Herbicide or 1-to-4 quarts of Garlon® 3A Herbicide or with 1-to-2 quarts of 3.8 lb./gal. 2,4-D amine or low volatile ester such as Albaugh's 2,4-D Amine 4 or 2,4-D LV4 or with 2/3-to-1 1/3 quarts of 5.6 lb./gal. 2,4-D low volatile ester.

**Woody Plant Control**

Suggested rates to control several woody plants are shown in the table below.

Plant Species	Rates of Alligare Picloram K Per Treated Acre
Rabbitbrush, Mesquite	½-to-1 quart
Catclaw Acacia	1-to-2 quarts
Pinyon, Juniper, Chaparral, Gorse, Willows, Poplars, Douglas Fir, Cedars	1-to-2 quarts
Gamble Oak, Liveoak, Poison Oak	2 quarts

For difficult-to-control woody species such as balsam fir, black or Sitka spruce, gums, hickory, maple, oaks, and sourwood, use 2 quarts of Alligare Picloram K per acre with 2-to-5 quarts of Garlon® 4 Herbicide or 4-to-8 quarts of Garlon® 3A Herbicide or with 6-to-8 quarts of 3.8 lb./gal. 2,4-D low volatile ester, or with 4-to-5 1/3 quarts of 5.6 lb./gal 2,4-D low volatile ester. To control maple, conifers and root-suckering species such as sassafras, sumac, black locust, persimmon, salmonberry, blackberry and western dewberry, apply a mixture of 1 ½-to-2 quarts of Alligare Picloram K per acre plus 3-to-5 quarts of Garlon® 4 Herbicide or 4-to-8 quarts of Garlon® 3A Herbicide or plus 4-to-10 quarts of 3.8 lb./gal. 2,4-D low volatile ester or Weedone® 2,4-DP, or plus 2 2/3-to-6 2/3 quarts of 5.6 lb./gal. 2,4-D low volatile ester.

**Broadcast Cut Stubble Treatment**

Apply Alligare Picloram K at the rate of 2 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.

**Invert Emulsions**

Alligare Picloram K can be applied as an invert emulsion tank mix combination spray with an approved invert agent. Consult the invert agent label directions to determine recommended use.

Use of Alligare Picloram K with an invert agent results in a thick invert water-in-oil spray emulsion designed to minimize spray drift. Such an emulsion may be formed in a single tank (Batch Mixing) or flash inverted (Flash Mixing). For specific instructions, refer to the invert agent label.

**Broadcast Treatments for Forest Site Preparation  
(Not for Conifer Release)**

For broadcast applications, apply the recommended rate of Alligare Picloram K in a total spray volume of 1-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.

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Southern States including Alabama, Arkansas, Delaware, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas and Virginia: Apply Alligare Picloram K at a rate of 2 quarts per acre to control susceptible woody plants and broadleaf weeds. Apply 2 quarts per acre of Alligare Picloram K in tank-mix combination with 2-to-4 quarts per acre of Garlon® 4 Herbicide to broaden the spectrum of woody plants and broadleaf weeds controlled. Where grass control is also desired, Alligare Picloram K alone, or in combination with Garlon® 4 Herbicide, may be tank-mixed with 1-to-4 quarts per acre of Accord®, Gly Star™ Original 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 2 quarts per acre of Alligare Picloram K 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 Alligare Picloram K at a rate of 1-to-2 quarts per acre. Apply 1-to-2 quarts per acre of Alligare Picloram K in tank-mix combination with 1 ½-to-3 quarts of Garlon® 4 Herbicide to broaden the spectrum of woody plants and broadleaf weeds controlled. Where grass control is also desired, Alligare Picloram K alone, or in combination with Garlon® 4 Herbicide, may be tank-mixed with 1-to-3 quarts per acre of Accord®, Gly Star™ Original or Roundup®, or 2-to-4 fluid ounces of Oust®, or a combination of Accord®, Gly Star™ Original 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.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** The active ingredient in this product may crystallize and settle out of solution if product is exposed to subfreezing temperatures. Under these conditions, warm product to at least 40°F and agitate well to dissolve any crystallized material prior to use. Open dumping is prohibited.

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

**CONTAINER DISPOSAL:**

**[NONREFILLABLE CONTAINERS]**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

(Nonrefillable container ≤ 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(Nonrefillable > 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**[REFILLABLE CONTAINERS]**

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 this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

To the extent consistent with applicable law, upon purchase or use of this product, purchaser and user agree to the following terms:

**Warranty:** Alligare, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. To the extent consistent with applicable law, the Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose. No such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

**Terms of Sale:** The Company's directions for use of this product must be followed carefully. 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, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. To the extent consistent with applicable law, all such risks are assumed by the user.

**Limitation of Liability:** To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury or other claim. To the extent consistent with applicable law, under no circumstances shall the Company be liable for any special, indirect, incidental or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived. Some states do not allow the exclusion or limitation of incidental or consequential damages.

The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

Gly Star™ is a trademark of Albaugh, Inc.

Arsenal® is a registered trademark of BASF Specialty Products.

Accord™ and Garlon™ are trademarks of Dow AgroSciences LLC.

Oust® is a registered trademark of E.I. duPont de Nemours & Co., Inc.

Roundup® is a registered trademark of the Monsanto Company.

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EPA [approval date]