



GROUP 4 HERBICIDE

# TRICLOPYR 4

A Herbicide for Control of Woody Plants, Annuals and Perennial Broadleaf Weeds in Forests, Grass Pastures, Rangeland, CRP acres, Rights-of-Way, and in Non-Crop Areas and Ornamental Turf, Industrial Sites and Non-Irrigation Ditch Banks

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
*Triclopyr BEE: (3,5,6 Trichloro-2-Pyridinyl) oxyacetic acid, butoxyethyl ester	.61.6%
<b>OTHER INGREDIENTS:</b>	<b>38.4%</b>
<b>TOTAL:</b>	<b>100.0%</b>

Contains petroleum distillates

\*Contains 4 pounds of triclopyr acid equivalent per gallon (44.3%)

EPA Reg. No. 81927-11

EPA Est. No. 42750-MO-001<sup>ALB</sup>  
75640-COL-001<sup>PC</sup>; 53883-TX-002<sup>CSI</sup>  
7401-TX-001<sup>TX</sup>; 81927-AL-001<sup>PM</sup>

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

## KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCION

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.)

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store above 28°F or agitate before use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product (that cannot be used according to label instructions) must be disposed of on site or at an approved waste disposal facility.

#### CONTAINER DISPOSAL:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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. Do not burn unless allowed by state and local ordinances.

See label booklet for additional Precautionary Statements and Directions for Use.

### FIRST AID

<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> <li>Do not give liquid to the person.</li> </ul>
<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>
<b>If on skin or clothing:</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>

### 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

May pose an aspiration hazard. Contains petroleum distillates.

Manufactured for:  
Alligare, LLC  
1565 5th Avenue  
Opelika, AL 36801

**Net Contents: 2.5 Gallons (9.46 liters)**

EPA 20210429

PEEL BACK BOOK HERE



**Oil - Water Mixtures of Alligare Triclopyr 4 and Tordon\* or Picloram K:** When mixed together in oil, these herbicides are incompatible and will not form a stable mixture. Stable tank mixtures of Alligare Triclopyr 4 and Tordon\* or Picloram K for basal bark application can be made if each product is first combined with a compatibility agent prior to final mixing in oil in the desired ratio. (See product bulletin for mixing instructions.)

**Basal Bark Treatment** - To control susceptible woody plants with stems less than 6 inches in basal diameter, mix 1 to 5 gallons of Alligare Triclopyr 4 in enough oil to make 100 gallons of spray solution. Apply with knapsack sprayer or power spraying equipment using low pressure (20-40 PSI). Spray the basal parts of brush and tree trunks to a height of 12 to 15 inches from the ground. Thorough wetting is necessary for good control. Spray until runoff at the ground line is noticeable. Old or rough bark requires more spray than smooth young bark. Apply at any time, including the winter months, except when snow or water prevents spraying to the ground line.

**Low Volume Basal Bark Treatment** - To control susceptible woody plants with stems less than 6 inches in basal diameter, mix 20 to 30 gallons of Alligare Triclopyr 4 in enough oil to make 100 gallons of spray solution. Apply with a backpack or knapsack sprayer using low pressure and a solid cone or flat fan nozzle. Spray the basal parts of brush and tree trunks in a manner which thoroughly wets the lower stems, including the root collar area, but not to the point of runoff. Herbicide concentration should vary with size and susceptibility of species treated. Apply at any time, including the winter months, except when snow or water prevents spraying to the ground line or when stem surfaces are saturated with water.

**Alligare Triclopyr 4 Plus Tordon\* or Picloram K in Oil Tank Mix** - Alligare Triclopyr 4 and Tordon\* or Picloram K may be applied as a low volume basal bark treatment to improve control of certain woody species such as ash, elm, maple, poplar, aspen, hackberry, oak, oceanspray, birch, hickory, pine, tanoak, cherry, locust, sassafras, and multiflora rose. (See product bulletin for mixing instructions.)

**Streamline Basal Bark Treatment** - To control or suppress susceptible woody plants, mix 20 to 30 gallons of Alligare Triclopyr 4 with 10% penetrant such as Cide-Kick or similar penetrant in enough oil to make 100 gallons of spray solution. Apply with a backpack or knapsack sprayer using equipment which provides a directed straight stream spray. For stems less than 3 inches in basal diameter, apply sufficient spray to one side of the stems to form a treated zone that is 6 inches in height. When the optimum amount of spray mixture is applied, the treated zone should widen to encircle the stem within approximately 30 minutes.

Treat both sides of stems which are 3 to 4 inches in basal diameter. Direct the spray at bark that is approximately 12 to 24 inches above the ground. Pines (loblolly, slash, shortleaf, and Virginia) up to 2 inches in diameter breast height (dbh) can be controlled by directing the spray at a point approximately 4 feet above ground. Vary spray mixture concentration with size and susceptibility of the species being treated.

Best results are achieved when applications are made to young vigorously growing stems which have not developed the thicker bark characteristic of slower growing, under-story trees in older stands. This technique is not recommended for scrub and live oak species, including blackjack, turkey, post, live, bluejack and laurel oaks, or bigleaf maple. Apply from approximately 6 weeks prior to hardwood leaf expansion in the spring until approximately 2 months after leaf expansion is completed. Do not apply when snow or water prevent spraying at the desired height above ground level.

**Low Volume Stem Bark Band Treatment (North Central and Lake States)** - To control susceptible woody plants with stems less than 6 inches in basal diameter, mix 20 to 30 gallons of Alligare Triclopyr 4 in enough oil to make 100 gallons of spray mixture. Apply with a backpack or knapsack sprayer using low pressure and a solid cone or flat fan nozzle. Apply the spray in a 6 to 10 inch wide band that completely encircles the stem. Spray in a manner that completely wets the bark, but not to the

point of runoff. The treatment band may be positioned at any height up to the first major branch. For best results apply the band as low as possible. Spray mixture concentration should vary with size and susceptibility of species to be treated. Applications may be made at any time, including winter months.

**Thinline Basal Bark Treatment** - To control susceptible woody plants with stems less than 6 inches in diameter, apply Alligare Triclopyr 4 either undiluted or mixed at 50-75% v/v with oil in a thin stream to all sides of the lower stems. The stream should be directed horizontally to apply a narrow band around each stem or clump. Use a minimum of 2 to 15 milliliters of Alligare Triclopyr 4 or oil mixture with Alligare Triclopyr 4 to treat single stems and from 25 to 100 milliliters to treat clumps of stems. Use an applicator metered or calibrated to deliver the small amounts required.

#### **Dormant Stem Treatment**

Dormant stem treatments can be used to control susceptible woody plants and vines with < 2 inch diameter stems. Plants with > 2 inch diameter stems may not be controlled and resprouting may occur. This application method works best in dense areas with small diameter brush. Dormant stem treatments of Alligare Triclopyr 4 can also be used as a chemical side-trim to control lateral branches of larger trees that encroach onto roadside, utility, or other rights-of-way.

Mix 4 to 8 quarts of Alligare Triclopyr 4 in 2 to 3 gallons of crop oil concentrate or other recommended oil. Add this mixture to enough water to make 100 gallons of spray solution. Use continuous agitation to maintain mix. Apply in 70 to 100 gallons per acre with Radiarc, OC or equivalent nozzles, or handgun to ensure uniform stem coverage. In western states, apply anytime after woody plants are dormant. In other areas, apply anytime within 10 weeks of bud break, generally February through April. Do not apply to wet or saturated bark as poor control may result.

For improved control of black cherry, mix Alligare Triclopyr 4 with 4 quarts of Weedone 170 herbicide. When tank mixing, refer to the individual product labels for precautionary statements, restrictions, application rates, approved uses, and a list of weeds and woody plants controlled.

For root suckering species such as sumac, sassafras and locust, also spray the ground under the plant to cover small root suckers which may not be visible above the soil surface.

#### **Cut Stump Treatment**

Resprouting of cut stumps of susceptible species can be controlled by mixing 20 to 30 gallons of Alligare Triclopyr 4 in enough oil to make 100 gallons of spray solution. Apply at low pressure with a backpack or knapsack sprayer; using either solid cone or flat fan nozzles. Apply to the root collar area, sides of the stump, and the outer portion of the cut surface including cambium. The treated area should be thoroughly wet, but do not apply to the point of runoff. Vary spray mixture concentration according to size and susceptibility of treated species. Applications can be made at any time of the year, including in winter months. Do not apply when snow or water prevent application to the ground line.

#### **Cut Stump Treatment in Western States**

Resprouting of cut stumps of salt-cedar and other *Tamarix* spp., bigleaf maple, tanoak, Oregon myrtle, and other susceptible species can be controlled by treating the cambium and adjacent wood around the circumference of the cut stump to wet. Applications may be made at any time during the year, however, reduced control may occur during periods of moisture stress as can occur in late summer. Use an applicator which can be calibrated to deliver small amounts.

**Note:** All basal bark and dormant brush treatments may be used on grazed range and permanent pasture land provided that no more than 2 quarts/acre/year of Alligare Triclopyr 4 are applied. Large plants or species requiring higher rates of Triclopyr may not be completely controlled. See the **Use Restrictions** section for grazing restrictions.

#### **Chemical Mowing on Non-Cropland Sites Infested with Annual and Perennial Broadleaf Weeds or Woody Plants**

To control annual and perennial broadleaf weeds and for suppression and stem density reduction of woody plants that occur on rights-of-way, airport grounds, petroleum tank farms or other industrial sites, Alligare Triclopyr 4 may be applied to the cut surfaces of weed or brush stubble under the deck of a rotary mower such as the Lucas "64" System or other approved equipment that is designed to uniformly apply the herbicide. Apply when growing conditions are favorable and the weeds are actively growing.

**Broadleaf Weed Control:** Using a minimum spray volume of 3 gallons per acre, apply the rate specified in the "Broadcast Applications with Ground Equipment – Broadleaf Weed Control" section of this label. To improve weed control or broaden the spectrum of weeds controlled, follow the label directions for herbicides that may be applied in tank mix combination with Alligare Triclopyr 4.

**Woody Plant Control:** For suppressing and reducing stem density of woody species, use 3 to 6 quarts of Alligare Triclopyr 4 in a minimum spray volume of 5 gallons per acre. To improve woody plant control or broaden the spectrum of woody plants controlled, follow label directions for herbicides that may be applied in tank mix combination with Alligare Triclopyr 4.

#### **Forest Management Applications**

For broadcast applications, apply the specified rate of Alligare Triclopyr 4 in a total of 5 to 25 gallons per acre by air or in 10 to 100 gallons per acre by ground. Use sufficient spray volumes to provide thorough coverage of treated foliage. Use application systems designed to prevent spray drift to off-target sites. Nozzles or additives used for drift minimization that produce larger droplets may require higher spray volumes to provide adequate plant coverage.

**Conifer Plant Back Interval** – Conifer injury may occur if conifers are planted sooner than 1 month after Alligare Triclopyr 4 treatments at rates up to 4 quarts per acre; or if conifers are planted sooner than 2 months after treatment with rates of 4 to 6 quarts per acre. When herbicide tank mixtures are used for forest site preparation, use the longest plant back waiting period recommended on any tank mix partner.

#### **Forest Site Preparation (Not For Conifer Release)**

##### **Broadcast Applications in Southern States (Alabama, Arkansas, Delaware, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia)**

- To control susceptible woody plants and broadleaf weeds, apply 4 to 6 quarts per acre of Alligare Triclopyr 4. Alligare Triclopyr 4 may be applied at a rate of 2 to 4 quarts per acre in a tank mix combination with labeled rates of Tordon\* 101 Mixture or Tordon\* or Picloram K to broaden the spectrum of woody plants and broadleaf weeds controlled. Tordon\* 101 Mixture and Tordon\* or Picloram K are not registered for use in California and Florida. For grass control, Alligare Triclopyr 4, alone or in combination with Tordon\* or Picloram K or Tordon\* 101 Mixture, may be tank mixed with other herbicides registered for grass control in forests.

Refer to the individual product labels for precautionary statements, restrictions, application rates, approved uses, and a list of weeds and woody plants controlled.

##### **Broadcast Applications in All Other States (Except those listed as Southern States)**

- To control susceptible woody plants and broadleaf weeds, apply 3 to 6 quarts per acre of Alligare Triclopyr 4. Alligare Triclopyr 4 may be applied at a rate of 1.5 to 3 quarts per acre in a tank mix combination with labeled rates of Tordon\* 101 Mixture, Tordon\* or Picloram K, or 2,4-D low volatile ester to broaden the spectrum of woody plants and broadleaf weeds controlled. Tordon\* 101 Mixture and Tordon\* or Picloram K are not registered for use in California and Florida. For grass control, Alligare Triclopyr 4, alone or in combination with Tordon\* or Picloram K or Tordon\* 101 Mixture, may be tank mixed with other herbicides registered for grass control in forests.

Refer to the individual product labels for precautionary statements, restrictions, application rates, approved uses, and a list of weeds and woody plants controlled.

**Site Preparation in Southern Coastal Flatwoods** - To control susceptible broadleaf weeds and woody species such as gallberry and wax-myrtle, and for partial control of saw-palmetto, apply 2 to 4 quarts per acre of Alligare Triclopyr 4. To control species such as fetterbush, staggerbush, titi, and grasses, apply Alligare Triclopyr 4 at 2 to 3 quarts per acre in a tank mix combination with labeled rates of Arsenal Applicator's Concentrate or Imazapyr 4SL herbicide. To control gallberry, wax-myrtle, broadleaf weeds, and grasses, 2 to 3 quarts per acre of Alligare Triclopyr 4 may be applied in tank mix combination with labeled rates of Glyphosate 4 herbicide.

Apply as broadcast applications during site preparation of flat planted or bedded sites; or as bands over the tops of beds on bedded sites. Best results will occur if applications are made in late summer or fall. Efficacy may not be satisfactory for early season applications made prior to August.

**Note: Do not apply after planting pines.**

#### **Conifer Release Applications**

**Note:** Conifer release applications may cause temporary damage and growth suppression of conifers where direct contact occurs; however, injured conifers should recover and grow normally. Over-the-top spray applications can kill pines.

#### **Directed Sprays**

To release conifers from competing hardwoods and brush such as red maple, sugar maple, striped maple, sweetgum, red and white oaks, ash, hickory, alder, birch, aspen, pin cherry, *Ceanothus* spp., blackberry, chinquapin, and poison oak, mix 4 to 20 quarts of Alligare Triclopyr 4 in enough water to make 100 gallons of spray mixture. Direct the spray onto foliage of competitive hardwoods using knapsack or backpack sprayers with flat fan nozzles or equivalent. Make applications any time after the hardwoods and brush have reached full leaf size, but before autumn coloration. The majority of treated hardwoods and brush should be less than 6 feet in height to ensure adequate spray coverage. Care should be taken to direct the spray solution away from conifer foliage, particularly foliage of desirable pines. See the **RATES** Table in the **APPLICATIONS DIRECTIONS** section for relationship between mixing rate, spray volume and maximum application rate.

#### **Mid-Rotation Understory Brush Control in Southern Coastal Flatwoods Pine Stands (Ground Equipment Only)**

Make broadcast applications of Alligare Triclopyr 4 at 2 to 4 quarts per acre for control of broadleaf weeds and susceptible woody plant species such as gallberry and wax-myrtle. To broaden the spectrum of woody plants controlled to include fetterbush, staggerbush, and titi, apply 2 to 3 quarts per acre of Alligare Triclopyr 4 in a tank mix with labeled rates of Arsenal Applicator's Concentrate. Saw-palmetto will be partially controlled by use of Alligare Triclopyr 4 at 4 quarts per acre or by a tank mix of Alligare Triclopyr 4 at 2 to 3 quarts per acre with either Arsenal Applicator's Concentrate, Imazapyr 4SL, Escort, or Metsulfuron Methyl 60DF herbicide.

These mixtures should be broadcast applied over target understory brush species, **but to prevent injury to pines, make applications underneath the foliage of pines.** For best results, apply 30 or more gallons per acre of spray solution. Make applications in late summer or fall. Efficacy may not be satisfactory when applications are made in early season prior to August.

Refer to the individual product labels for precautionary statements, restrictions, application rates, approved uses, and a list of weeds and woody plants controlled.

**Broadcast Applications for Conifer Release in the Pacific Northwest and California**

**Dormant Conifers Before Bud Swell (Excluding Pines)** -To control or suppress deciduous hardwoods such as vine maple, bigleaf maple, alder, scotch broom, or willow **before leaf-out** or evergreen hardwoods such as madrone, chinquapin, and *Ceanothus* spp., use Alligare Triclopyr 4 at 1 to 2 quarts per acre. Diesel or fuel oil may be used as diluents. If applying in water, add 1 to 2 gallons per acre of diesel oil, a suitable surfactant, or an oil substitute at manufacturer's recommended rates.

**Conifer Plantations (Excluding Pines) Before Conifer Bud Break and After Hardwoods Begin Growth ("Early Follar" Hardwood Stage)** - Apply Alligare Triclopyr 4 at 1 to 1.5 quarts per acre alone or in a tank mix with 2,4-D low volatile ester herbicide in water carrier. Apply no more than 3 pounds acid equivalent per acre from both products. After conifer bud break, these sprays may cause more serious injury to the crop trees. Use of a surfactant may cause unacceptable injury to conifers especially after bud break.

**Conifer Plantations (Excluding Pines) After Conifers Harden Off in Late Summer and While Hardwoods Are Still Growing Actively** - Apply Alligare Triclopyr 4 at 1 to 1.5 quarts per acre alone or in a tank mix with 2,4-D low volatile ester in water carrier. Apply no more than 3 pounds acid equivalent per acre from both products. Treat as soon after conifer bud hardening as possible so that hardwoods and brush are actively growing. Use of oil, oil substitute, or surfactant may cause unacceptable injury to the conifers.

**Broadcast Applications for Conifer Release in the Eastern United States** To release spruce, fir, red pine, and white pine from competing hardwoods such as red maple, sugar maple, striped maple, alder, birch (white, yellow, and grey), aspen, ash, pin cherry, and *Rubus* spp. and perennial and annual broadleaf weeds, apply Alligare Triclopyr 4 at 1.5 to 3 quarts per acre alone or in a tank mix with 2,4-D amine or low volatile ester. Apply no more than 4 pounds acid equivalent per acre from both products. Make applications in late summer or early fall after conifers have formed their over-wintering buds; and hardwoods are in full leaf prior to autumn coloration.

**Broadcast Applications for Conifer Release in the Lake States Region** To release spruce, fir, and red pine from competing hardwoods such as aspen, birch, maple, cherry, willow, oak, hazel, and *Rubus* spp. and perennial and annual broadleaf weeds, apply Alligare Triclopyr 4 at rates of 1.5 to 3 quarts per acre. Make applications in late summer or early fall after conifers have formed their over-wintering buds and hardwoods are in full leaf prior to autumn coloration.

**Application Directions for Rangeland, Permanent Grass Pastures, and Conservation Reserve Program (CRP) Acres**

Refer to Tables 1 and 2 of this label for a list of woody plants and broadleaf weeds that are controlled by Alligare Triclopyr 4.

**Florida:** Alligare Triclopyr 4 may be applied to non-irrigation ditchbanks and fencerows on farms and ranches in addition to those uses listed in this section of the label.

**Application Methods**

**Foliage Treatment with Ground Equipment**

Use sufficient spray volume to completely and uniformly cover foliage using 10 or more gallons of total spray volume per acre. To ensure adequate coverage of plants with increased depth and density of foliage, and particularly for treatment of woody plants, use higher spray volumes.

**High-Volume Foliage Treatment**

To control susceptible woody plants, use the specified rate of Alligare Triclopyr 4 alone or in a tank mix to make 100 gallons of spray mixture. For rangeland and permanent pasture sites, make 1 application per year and apply no more

than 2 quarts of Alligare Triclopyr 4 (2 lbs. ae of triclopyr) per acre. Alligare Triclopyr 4 may be tank mixed with other herbicides at directed rates (see application rates table below) to control a broader spectrum of woody plants and broadleaf weeds. Be sure to follow all applicable use directions, precautions, and limitations on the respective product labels when tank mixing.

Apply sufficient spray volume to thoroughly wet all leaves, stems, and root collars. Minimize spray drift by using the minimum spray pressure that provides adequate plant coverage without forming a mist and direct sprays no higher than the top of the target plants. A drift control additive cleared for application to growing crops may also be used to reduce spray drift. For best results, apply when woody plants and weeds are actively growing.

Application Rates per 100 Gallons of Spray		
Alligare Triclopyr 4	Plus Tank Mix Product	Rate (qt)
1-4 qt	—	—
1-2 qt	Grazon* P+D specialty herbicide	4
1-2 pt	2,4-D low volatile ester herbicide	1-2
1-2 qt	Tordon* or Picloram 22K specialty herbicide	1-2
2 qt	Reclaim* specialty herbicide <sup>1,2</sup>	2

<sup>1</sup>Reclaim\* is registered for use only in Arizona, Texas, Oklahoma and New Mexico.

<sup>2</sup>See directions for Mesquite Control Using High Volume Foliage Treatment below.

**Mesquite Control Using High Volume Foliage Treatment:** To control low to moderate density mesquite infestations, apply a tank mixture of Alligare Triclopyr 4 and Reclaim\* to individual plants with a backpack or hand-held sprayer or a vehicle-mounted sprayer with hand-held spray wand or spray gun. For individual plant treatment, use 2 quarts of Alligare Triclopyr 4 with 2 quarts of Reclaim\* per 100 gallons of total spray solution (1/2 % v/v of each product). Apply in water or as an oil-water emulsion as described in the Mixing Directions Section. If an oil-water emulsion is used, add the oil at a rate of 5% of the total spray volume. Apply as a complete spray-to-wet foliar application, including all leaves. Thorough coverage is necessary for good results, but do not spray to the point of runoff. This application method works best for brush less than 8 feet tall since efficient treatment and thorough coverage of taller brush is difficult to achieve using this method. Do not apply when mesquite foliage is wet. The total amount of Reclaim\* applied should not exceed 1 1/3 pints per acre. For best results, follow information given elsewhere in this label concerning effect of environmental conditions and application timing on control. To minimize drift, select a spray nozzle and pressure that generates a coarse spray and provides good coverage. Drift may be reduced by directing sprays no higher than the top of target plants and by using the minimum pressure necessary to obtain plant coverage without forming a mist. If desired, a spray dye may be added to the spray mixture to mark the treated plants.

**Broadcast Application With Aerial or Ground Equipment**

Brush and weed control results are influenced by environmental conditions and application timing; for best results, apply when woody plants and weeds are actively growing. For woody species, apply when leaf tissue is fully expanded and terminal growth has slowed after the rapid growth period of early spring. To ensure adequate foliage for herbicide absorption, brush regrowth should be at least 4 ft. high prior to treatment. The presence of healthy foliage at the time of application as well as adequate soil moisture before and after treatment are important factors contributing to optimal herbicidal activity.

Apply sufficient spray volume to completely and uniformly cover foliage using 10 or more gallons of total spray volume per acre for ground applications and at least 2 gallons of total spray volume per acre for aerial applications. To ensure adequate coverage of plants with increased depth and density of foliage, and particularly for treatment of woody plants, use higher spray volumes.

**Mesquite:** The herbicidal response of mesquite is strongly influenced by foliage condition, growth stage and environmental conditions. For best results, apply when soil moisture is adequate for plant growth, the soil temperature is above 75°F at a depth of 12 to 18 inches, and new growth foliage has turned from light to dark green. Apply within 60 days after the 75°F minimum soil temperature at the 12 to 18 inch depth has been reached (the rate of soil warm-up at the 12 to 18 inch depth may vary with soil texture and drainage with coarse-textured (sandy) soils warming up sooner than fine-textured (clay) soils and dry soils warming up more quickly than wet soils). If the application is made before mesquite foliage has turned from light to dark green or if foliage has been injured or removed by late frost, insects, hail or plant diseases, product performance may be adversely affected. Do not treat if mesquite exhibits new (light green) terminal growth in response to recent heavy rainfall during the growing season and to ensure adequate foliage for herbicide absorption, mesquite regrowth should be at least 4 ft. high prior to treatment.

#### **Mesquite Only**

Apply ½ to 1 pint of Alligare Triclopyr 4 per acre in combination with 2/3 to 1 1/3 pints per acre of Reclaim\*. Refer to the Reclaim\* label for additional treatment recommendations and information on mesquite control. Apply as an oil/water emulsion in 4 gallons or more total volume per acre for aerial applications or in 10 gallons or more total volume per acre for ground applications. Use no more than 1 gallon of oil per acre for both aerial and ground application.

#### **Mesquite and Pricklypear Cactus**

For pricklypear cactus in association with mesquite, apply a tank mix of ½ to 1 pint of Alligare Triclopyr 4 with 1 to 2 pints of Tordon\* or Picloram 22K per acre. For a higher and more uniform plant kill of pricklypear, use the 2 pint per acre rate of Tordon\* or Picloram 22K. To control pricklypear while providing improved control of mesquite, Tordon\* or Picloram 22K may also be applied in combination with Reclaim\*. Refer to the Tordon\* or Picloram 22K and Reclaim\* labels for additional information and treatment recommendations. Apply as an oil/water emulsion in 4 gallons or more total volume per acre for aerial applications or in 10 gallons or more total volume per acre for ground applications. Use no more than 1 gallon of oil per acre for both aerial and ground application.

#### **South Texas Mixed Brush (Mesquite, Pricklypear Cactus, Blackbrush, Twisted Acacia and Granjeno)**

If pricklypear is a problem, apply 1 to 2 pints of Alligare Triclopyr 4 in a tank mixture with 2 pints of Tordon\* or Picloram 22K per acre. If mesquite is the prevalent species apply 1 to 2 pints of Alligare Triclopyr 4 with 2/3 to 1 1/3 pints of Reclaim\* per acre. Alligare Triclopyr 4 contributes to the control of non-legume species such as granjeno and oaks; however, for improved control if primarily woody legume species are present, apply 2 pints of Tordon\* or Picloram 22K per acre in combination with 2/3 to 1 1/3 pints of Reclaim\* per acre. Refer to the Tordon\* or Picloram 22K and Reclaim\* labels for additional information and treatment recommendations. Apply as an oil/water emulsion in 4 gallons or more total volume per acre for aerial applications or in 15 gallons or more total volume per acre for ground applications. Use no more than 1 gallon of oil per acre for both aerial and ground application. For acceptable brush control, an oil/water emulsion and good spray coverage is critical.

#### **Sand Shinnery Oak Suppression**

In Texas, New Mexico and Oklahoma, for suppression of shinnery oak growing on sandy soils apply Alligare Triclopyr 4 alone at a rate of ½ to 2 pints per acre. Following suppression, grass response may be significant if rainfall is adequate. Deferring grazing after application together with proper grazing management is recommended to allow for the reestablishment of grass stands.

#### **Post Oak and Blackjack Oak – Regrowth Stands**

Apply when oak leaves are fully developed (expanded) in late spring to early summer (May-July). Use 2 quarts of Alligare Triclopyr 4 alone or in tank mix combination with 0.5 to 1 pint of 2,4-D low-volatile ester herbicide per acre.

Apply as an oil/water emulsion or water surfactant dilution in at least 5 gallons per acre total volume by fixed-wing aircraft or helicopter or 15 to 25 gallons per acre total volume by ground equipment. Use no more than 1 gallon of oil per acre for both aerial and ground application. For suppression only, lower rates may be used. Control will require at least 3 consecutive treatments.

**Note:** Because regrowth plants have a large root mass relative to top growth, delay broadcast treatment until top growth is at least 4 ft. tall in order for the top growth to intercept and translocate sufficient herbicide to control the roots.

**High Volume Foliage Treatment:** For regrowth less than 4 ft tall, apply 2 quarts of Alligare Triclopyr 4 per 100 gallons of water and 2 quarts of ag surfactant alone or in tank mix combination with 1 gallon of Grazon\* P+D or 1 quart of Tordon\* or Picloram 22K. Apply to individual plants as a high volume leaf-stem treatment using ground equipment.

#### **Post Oak and Blackjack Oak – Mature Stands**

To control mature stands (greater than 5 ft tall), apply 2 quarts of Alligare Triclopyr 4 per acre when oak leaves are fully developed (expanded) in late spring to early summer (May-July). When using Alligare Triclopyr 4 alone, some understory species such as winged elm, buckbrush, tree huckleberry and ash occurring in some areas will be suppressed or defoliated but not controlled. Where these understory species occur, control may be improved by tank mixing 2 quarts of Alligare Triclopyr 4 with 1 quart of Tordon\* or Picloram 22K or 4 quarts of Grazon\* P+D per acre. For best results, apply using fixed-wing aircraft or helicopter as an oil/water emulsion in a total volume of 5 or more gallons per acre.

#### **Other Susceptible Woody Plants**

Apply 2 to 4 pints of Alligare Triclopyr 4 alone or in combination with 2 to 3 quarts of 3.8 lb/gal 2,4-D low volatile ester or amine formulation per acre. If applications are made when plants are mature late in the summer, during drought conditions, or if difficult to control species such as ash, choke cherry, elm, maple or oaks are prevalent on the site, use the higher rates of Alligare Triclopyr 4, alone or with 2,4-D. For increased control of certain species, Alligare Triclopyr 4 may also be applied in a tank mixture with Grazon\* P+D or Tordon\* or Picloram 22K, refer to the labels for Grazon\* P+D and Tordon\* or Picloram 22K for additional information and treatment recommendations. Apply in 4 gallons or more total volume per acre aerially or in 10 gallons or more total volume per acre when using ground equipment. Apply during or after bloom for best results on blackberry. For management of kudzu, use 1 quart of Alligare Triclopyr 4 per acre. To achieve the desired level of control, repeat applications may be necessary.

#### **Susceptible Broadleaf Weeds**

When weeds are actively growing, apply 2 pints of Alligare Triclopyr 4 per acre as a broadcast spray in a total volume of 10 or more gallons per acre by ground equipment or in a total volume of 2 or more gallons per acre aerially. Alligare Triclopyr 4 at a rate of ½ to 3 pints may be tank mixed with 1 to 2 quarts of 3.8 lb/gal 2,4-D amine or low volatile ester.

#### **Growing Point and Leaf Base (Crown) Treatment of Yucca**

Prepare a 2% v/v solution of Alligare Triclopyr 4 in diesel or fuel oil (13 fl oz of Alligare Triclopyr 4 in 5 gallons of spray mixture). Thoroughly wet the center of the plant including growing point and leaf bases to the soil surface. Complete coverage of leaves is not necessary.

#### **Conservation Reserve Program (CRP) for Established Permanent Grass Stands**

**NOTE:** Use Alligare Triclopyr 4 on CRP acres only after perennial grasses are well established.

**Broadcast Application Ground or Aerial:** For small weed control, apply 1 to 2 pints of Alligare Triclopyr 4 per acre. For deep-rooted perennial and susceptible woody species control apply up to 1 ½ quarts of Alligare Triclopyr 4 per acre. Apply in 2 gallons or more total volume per acre for aerial applications or in 10 gallons or more total volume per acre for ground applications.

#### Restrictions:

- Apply no more than 1 ½ quarts of Alligare Triclopyr 4 per acre per growing season on CRP acres.
- When applying to CRP lands, follow all applicable state and federal regulations. Follow the most severe grazing restriction imposed by the pesticide label or by the USDA Acreage Conservation Reserve Program. After that time period, follow local (CRP) guidelines regarding cropping and haying restrictions. If legumes are a desired cover crop during CRP, do not use Alligare Triclopyr 4.

#### Application Directions for Ornamental Turf

Refer to Table 2 for a list of broadleaf weeds controlled by Alligare Triclopyr 4.

For spot treatments, do not apply more than 2 qts. of Alligare Triclopyr 4 per acre in a single application.

Foliar sprays should be applied during warm weather, from early spring through fall, when weeds are actively growing. Broadleaf weeds germinate at different times. Only emerged weeds present at the time of application will be controlled. Newly seeded turf should be mowed 2 or 3 times before being treated. When making applications to mature plants, hard-to-control species, or during drought conditions, use higher rates. Application under drought conditions may provide less than desirable results. Use low pressure sprays to minimize spray drift. Do not water for 24 hours after application.

#### Mixing Instructions

When Alligare Triclopyr 4 is mixed with water it forms an emulsion (not a solution) and separation may occur unless the spray mixture is agitated continuously.

Add about one-half the required amount of clean water to the spray tank. Start agitation and add the specified amount of Alligare Triclopyr 4. Provide moderate agitation while completing the addition of water and during application.

**Reseeding Precaution:** Do not reseed for 3 weeks after application. (This precaution does not apply when bermudagrass turf is overseeded with perennial ryegrass at a minimum reseeding of 400 lbs. per acre.)

#### Broadcast Treatment of Ornamental Turf

Apply ½ to 1 quart per acre of Alligare Triclopyr 4 in enough water to provide uniform coverage of the target area to control actively growing broadleaf weeds growing in perennial bluegrass, perennial ryegrass, or tall fescue. Do not use on other turfgrass species (see Use Precautions section of this label) unless injury can be tolerated. To minimize turf injury, do not treat if turf is under heat-or drought-stress and make repeat applications at least 4 weeks apart.

**Tank Mixing:** To improve the spectrum of activity, Alligare Triclopyr 4 may be tank mixed at a rate of ½ to 1 pint per acre with directed rates of low volatile amine or ester formulations of 2,4-D, MCPP, or other labeled postemergence broadleaf herbicides. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

#### Spot Treatment of Ornamental Turf

Mix 3/8 to ¾ fluid ounces of Alligare Triclopyr 4 per 1000 square feet in enough water to provide uniform coverage of the target area and apply at any time broadleaf weeds are susceptible. **Note:** Do not apply more than 2 quarts per acre or 1.5 fluid ounces per 1000 square feet of Alligare Triclopyr 4 in a single application.

#### Control of Kikuyugrass

Apply Alligare Triclopyr 4 at a rate of ½ to 1 quart per acre. To improve activity, MSMA herbicide may be tank mixed with the ½ quart per acre rate of Alligare Triclopyr 4. Three to four additional applications at 4 to 6 week intervals may be required to achieve control of kikuyugrass.

#### Suppression of Bermudagrass

Apply Alligare Triclopyr 4 at the rate of 1 quart per acre. Three to four additional applications at 4 week intervals will be required to give adequate suppression of bermudagrass and allow fescue or other desired turfgrass species to dominate. To improve suppression and control of bermudagrass, 1 quart per acre of Alligare Triclopyr 4 may be tank mixed with a postemergence grass herbicide registered for this use pattern. Three to four additional applications of this tank mix at 4 week intervals should be made to achieve control. Reseeding following application will accelerate the transition to cool season turf (see Reseeding Precautions above).

**Table 1**  
**Woody Plants Controlled by Alligare Triclopyr 4**

Alder	Locust
Arrowwood	Madrone
Ash	Maples
Aspen	Milkweed Vine <sup>3</sup>
Bear Clover (Bearnat)	Mulberry
Beech	Oaks
Birch	Osage Orange
Blackberry	Pepper Vine <sup>3</sup>
Blackbrush	Persimmon
Black gum	Persimmon, Eastern
Boxelder <sup>1</sup>	Pine
Brazilian Pepper	Poison Ivy
Buckthorn	Poison Oak
Cascara	Poplar
Ceanothus	Salmonberry
Cherry	Saltbush ( <i>Braccharis</i> spp.)
Chinquapin	Saltbush (silver myrtle) <sup>3</sup>
Choke Cherry	Salt Cedar <sup>1</sup>
Cottonwood	Sassafras
<i>Crataegus</i> (hawthorn)	Scotch Broom
Dogwood	Sumac
Douglas fir	Sweetbay Magnolia
Elderberry	Sweet Gum
Elm	Sycamore
Gallberry	Tan Oak
Gorse	Thimbleberry
Granjeno	Tree-of-Heaven ( <i>Ailanthus</i> ) <sup>1</sup>
Guajillo	Trumpet Creeper <sup>3</sup>
Guava <sup>3</sup>	Tulip Poplar
Hawthorn	Twisted Acacia
Hazel	Virginia Creeper <sup>3</sup>
Hickory	Wax Myrtle
Hornbeam	Wild Rose
Huisache (suppression)	Willow
Kudzu <sup>2</sup>	Winged elm

<sup>1</sup>For best control, use either a basal bark or cut stump treatment.

<sup>2</sup>For complete control, retreatment may be necessary.

<sup>3</sup>Basal or dormant stem applications only

**Table 2**  
**Annual and Perennial Broadleaf Weeds Controlled by Alligare Triclopyr 4**

Black Medic	Matchweed
Bull Thistle	Mustard
Burdock	Oxalis
Canada Thistle	Plantain
Chicory	Purple Loosestife
Cinquefoil	Ragweed
Clover	Sericea Lespedeza (1)
Creeping Beggarweed	Smartweed
Curly dock	Sulfur Cinquefoil (2)
Dandelion	Sweet Clover
Dogfennel	Tropical Soda Apple (3)
Field Bindweed	Vetch
Goldenrod	Wild Carrot (Queen Anne's Lace)

Ground Ivy	Wild Lettuce
Lambsquarters	Wild Violet
Lespedeza	Yarrow

(1) **Sericea lespedeza:** Apply 1 to 2 pints of Alligare Triclopyr 4 per acre. For best results, apply after maximum foliage development in the late spring to early summer, but prior to bloom.

(2) **Sulfur cinquefoil:** Apply 1 to 2 pints of Alligare Triclopyr 4 per acre. For best results, apply to plants in the rosette stage.

(3) **Tropical soda apple:** When plants reach the first flower stage, apply 2 pints of Alligare Triclopyr 4 per acre. For best results, apply using ground equipment in a total spray volume of 40 gallons per acre. To provide more complete wetting and coverage of the foliage, an agricultural surfactant may be added at the manufacturer's recommended rate. To control sparse plant stands, use spot treatments. For spot treatment use a 1 to 1.5% solution of Alligare Triclopyr 4 in water (1 to 1 ½ gallons of Alligare Triclopyr 4 in 100 gallons total spray mixture) and spray the entire plant to completely wet the foliage. In Florida, control of tropical soda apple may be improved by using the following management practices:

- Mow plants to a height of 3 inches every 50 to 60 days or whenever they reach flowering. Continue mowing on this schedule through April.
- In late May to June (50 to 60 days after the April mowing), apply a broadcast treatment of Alligare Triclopyr 4.
- To control any remaining plants or to thin stands of plants that germinate following a broadcast treatment, use spot treatments.

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.

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## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store above 28°F or agitate before use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product (that cannot be used according to label instructions) must be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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. Do not burn unless allowed by state and local ordinances.

### LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

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