



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 25, 2022

Maryanne M Kellogg  
Regulatory Consultant  
Alligare, LLC  
c/o Pyxis Regulatory Consulting Inc.  
4110 136<sup>th</sup> St. Ct. NW  
Gig Harbor, WA 98332

Subject: Registration Review Label Mitigation for Hexazinone  
Product Name: ALLIGARE HEXAZINONE 75 ULW HERBICIDE  
EPA Registration Number: 81927-31  
Application Date: 05/15/2019  
Decision Number: 587033

Dear Maryanne Kellogg:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Hexazinone Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently

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approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Srijana Shrestha by phone at 202-566-2329, or via email at [shrestha.srijana@epa.gov](mailto:shrestha.srijana@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a long horizontal flourish extending to the right.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure: Stamped Label

HEXAZINONE	GROUP	5	HERBICIDE
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# Alligare Hexazinone 75 ULW Herbicide

**ACTIVE INGREDIENTS:**

Hexazinone  
 [3-cyclohexyl-6-(dimethylamine)-1-methyl-  
 1,3,5-triazine-2,4(1*H*,3*H*)-dione ..... 75.0%

**OTHER INGREDIENTS:** ..... 25.0%

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

**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.)

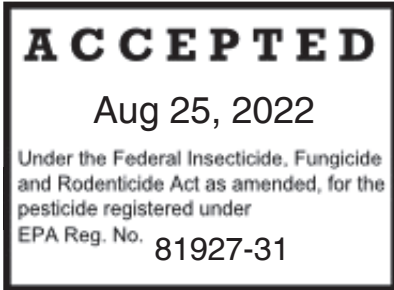
<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for 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>
<b>If swallowed:</b>	<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>
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>HOT LINE NUMBER</b>	
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.	

**EPA Reg. No. 81927-31**

**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**

**DANGER! CAUSES EYE DAMAGE.** Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

Mixers and loaders supporting application to all non-crop sites, (forestry, Christmas trees, pasture/rangeland, bermudagrass/bahiagrass, and uncultivated areas including rights of way) must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's 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 remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, 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.

The active ingredient, hexazinone, in this product is known to leach through soil into ground water under certain conditions as a result of agricultural uses. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

**NON-TARGET ORGANISM ADVISORY STATEMENT**

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

**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.

Use Alligare Hexazinone 75 ULW only in accordance with the directions on this label.

**SPRAY DRIFT****Aerial Applications:**

- Do not release granules at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must use ½ swath displacement upwind at the downwind edge of the site.
- Nozzles must be oriented so the granules are directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

**SPRAY DRIFT****Ground Boom Applications:**

- Apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy. For all other ground applications, the nozzle must be no more than 4 feet from the target vegetation.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

**SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS

**BOOM HEIGHT – Ground Boom**

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

**RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for drift.

**TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

**WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect drift.

**PRODUCT INFORMATION**

Formulated as a water-soluble granule, Alligare Hexazinone 75 ULW herbicide controls undesirable woody and herbaceous plants in reforestation and noncrop sites.

Apply Alligare Hexazinone 75 ULW using appropriately modified ground or aerial equipment (where

permitted) that will distribute the product evenly across the treatment area. Alligare Hexazinone 75 ULW will not corrode spray equipment. All application equipment must be cleaned with water after use. Injury or death of desirable plants may occur if residues of Alligare Hexazinone 75 ULW remain in the equipment

To reduce the chances of groundwater contamination by hexazinone, the use directions on this label must be followed especially regarding the correct use rate for different target areas or geographical areas. Your state Department of Agriculture, Extension Service, or other pesticide lead agency will have additional information regarding soil permeability, aquifer vulnerability, and best management practice for your area.

### **Environmental Conditions and Biological Activity**

Alligare Hexazinone 75 ULW granules are activated by rainfall. The active ingredient in Alligare Hexazinone 75 ULW, hexazinone, dissolves in the water and is moved into the soil. As the undesired plants grow, the roots absorb the hexazinone. The amount of time required for activation of Alligare Hexazinone 75 ULW will depend on the plant species but could take as long as 12-24 months after activation. Normally, within 3 to 4 weeks of activation herbaceous plants will show symptoms of exposure. However if the target vegetation is dormant, semi-dormant, or under stress, a longer period of time may pass before symptoms are observed. Within 4 to 8 weeks of activation, woody plants will show symptoms of exposure to Alligare Hexazinone 75 ULW residues. Initial symptoms may include defoliation (in some cases refoliation may occur), but susceptible plants will die. Several factors will determine how much time will pass before effects are observed and how long the control will last. These factors include the use rate, the soil texture, the target plant species and its size at application, and environmental conditions before and after application.

## **WEED RESISTANCE MANAGEMENT**

For resistance management, Alligare Hexazinone 75 ULW is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to Alligare Hexazinone 75 ULW and other Group 5 herbicides. Weed species with acquired resistance to Group 5 herbicides may eventually dominate the weed population if Group 5 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Alligare Hexazinone 75 ULW or other Group 5 herbicides. Users should scout before and after application.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance:

- Avoid the consecutive use of Alligare Hexazinone 75 ULW or other target site of action Group 5 herbicides that might have a similar target site of action, on the same weed species.
- Use tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or prepack rate on the weed(s) of concern (an herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides)

- Base herbicide use on a comprehensive Integrated Pest Management (IPM) program.
- Scout prior to application to identify the weed species present and their growth state to determine if the intended application will be effective.
- Scout after application to verify that the treatment was effective.
- Contact your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

Report any incidence of non-performance of this product against a particular weed species to your Alligare, LLC representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

### **INTEGRATED PEST MANAGEMENT**

Use Alligare Hexazinone 75 ULW as part of an Integrated Pest Management (IPM) program. Such programs are developed to prevent economic pest damage using biological, cultural, and genetic practices such as field scouting or other pest detection methods, correct identification of target pest, population monitoring, and treatment when target pest populations reach locally determined action thresholds. Your state cooperative extension service, professional consultants or other qualified authorities can provide guidance on appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

### **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:

- Coveralls
- Chemical resistant gloves made of any waterproof material
- 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 pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Noncrop, Industrial Brush Control, as described on this label is not within the scope of the Worker Protection Standard.

## AGRICULTURAL USES

### FORESTRY

**Conifer Release (U.S.):** Use Alligare Hexazinone 75 ULW to suppress woody plants and to control herbaceous plants following conifer establishment.

**Alligare Hexazinone 75 ULW Rates and Plants Controlled:** Refer to the tables below for the Alligare Hexazinone 75 ULW rates to use and list of weeds controlled. The rates vary depending on the soil types.

	SOIL TYPES		
	Loamy Sand Sand Sandy Loam	Loam Sandy Clay Loam Silt Loam	Clay Clay Loam Sandy Clay Silty Clay Loam Silty Clay
<b>Rate of Alligare Hexazinone 75 ULW, Lbs per Acre</b>	1 – 2 (0.75 lb -1.5 lb ai hexazinone)	2 – 3 (1.5 lb – 2.25 lb ai hexazinone)	3 – 4 (2.25 lb – 3 lb ai hexazinone)

### SITE PREPARATION - EASTERN U.S.

Use Alligare Hexazinone 75 ULW to control undesirable woody and herbaceous plants in forest site preparation.

Apply Alligare Hexazinone 75 ULW where the following conifer species will be grown:

Loblolly pine	<i>Pinus Taeda</i>
Longleaf pine	<i>Pinus palustris</i>
Shortleaf pine	<i>Pinus echinata</i>
Slash pine	<i>Pinus elliotii</i>
Virginia pine	<i>Pinus virginiana</i>

**Alligare Hexazinone 75 ULW Rates and Plants Controlled:** Apply Alligare Hexazinone 75 ULW at 2.5 to 6.33 lbs. (1.88 lbs to 4.75 lbs ai hexazinone) per acre. The lower rate in the rate range is used for soils with coarse textures or low in organic matter. The higher rate in the rate range is used for soils with fine textures or high in organic matter. For weeds listed as being suppressed or partially controlled in the table “Weeds Controlled in Forestry”, use the higher rates.

**Application Timing:** Delay applications until after the likelihood of a spring-time killing frost may occur. Apply in the spring when brush and weeds are actively growing and the chances are great that a sufficient rainfall will occur after application to activate Alligare Hexazinone 75 ULW.

### SITE PREPARATION - WESTERN U.S. (CA, ID, MT, OR, WA)

Use Alligare Hexazinone 75 ULW to control undesirable woody and herbaceous plants in forest site preparation.

Apply Alligare Hexazinone 75 ULW where the following conifer species will be grown:

Douglas fir	<i>Pseudotsuga menziesii</i>
Englemann spruce	<i>Picea engelmannii</i>
Grand fir	<i>Abies grandis</i>
Lodgepole pine	<i>Pinus contorta</i>



Ponderosa pine *Pinus ponderosa*

**Alligare Hexazinone 75 ULW Rates and Plants Controlled:** Apply Alligare Hexazinone 75 ULW at 4 to 5.33 lbs. (3 lbs to 4 lbs ai hexazinone) per acre. The lower rate in the rate range is used for soils with coarse textures or low in organic matter and for easily controlled target vegetation. The higher rate in the rate range is used for soils with fine textures or high in organic matter and for more difficult-to-kill weed plants.

If the area to be treated includes conifer species not listed above, do not treat large areas of these mixed conifer areas unless: 1) you have previous experience using Alligare Hexazinone 75 ULW on mixed conifers; or 2) you test a small area to determine if Alligare Hexazinone 75 ULW is safe to the unlisted conifer species. In some situations, you may not want to apply Alligare Hexazinone 75 ULW in these mixed conifer areas especially if sensitive species such as sugar pine and western larch are present. If these species are present, do not apply Alligare Hexazinone 75 ULW until after inter-planting on treated sites is successful, which usually requires 18 months.

Severe injury or death to over-story conifers may occur as a result of applications made to shelter wood sites. The application rate, conifer species, soil characteristics, uniformity of granule distribution across the treatment swath and environmental stress are all factors that will determine sensitivity of conifers in these treated areas.

**Application Timing:** Delay applications until after the likelihood of a spring-time killing frost may occur. Apply in the spring when brush and weeds are actively growing and the chances are great that a sufficient rainfall will occur after application to activate Alligare Hexazinone 75 ULW.

As described in the section above, **Environmental Conditions and Biological Activity**, weed and brush plants require sufficient precipitation after application of Alligare Hexazinone 75 ULW for best results. In areas that receive high spring rains (including such areas as west of the Cascades) spring applications of Alligare Hexazinone 75 ULW made to actively growing weeds and brush will provide best control. In areas that do receive limited spring rains (including such areas as east of the Cascades), fall applications of Alligare Hexazinone 75 ULW made prior to when the soil freezes or spring applications made after the snow cover has melted and when rainfall is expected will provide best control.

**WILDLIFE OPENINGS – LOGGING ROADS**

Use Alligare Hexazinone 75 ULW at 2 to 5.33 pounds (1.5 lbs to 4 lbs ai hexazinone) per acre to control undesirable woody and herbaceous plants in establishing wildlife openings and maintaining logging roads.

**WEEDS CONTROLLED IN FORESTRY**

<i>Herbaceous Plants</i>	<i>Scientific Name</i>	<i>Herbaceous Plants</i>	<i>Scientific Name</i>
Aster, showy	<i>Aster spectabilis</i>	Goldenrod, Canada	<i>Solidago canadensis</i>
Aster, white heath*	<i>Aster pilosus</i>	Groundsel, common	<i>Senecio vulgaris</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>	Horseweed*	<i>Conyza canadensis</i>
Bentgrass	<i>Agrostis spp.</i>	Manzanita (bearberry)	<i>Arctostaphylos uva-ursi</i>
Bristlegrass, African	<i>Setaria sphacelata</i>	Mullein, common	<i>Verbascum Thapsus</i>
Bromegrass, ripgut	<i>Bromus rigidus</i>	Orchardgrass	<i>Dactylis glomerata</i>
Carrot, wild	<i>Daucus carota</i>	Ragweed, common	<i>Ambrosia elatior</i>
Catsear, smooth	<i>Hypochaeris glabra</i>	Ryegrass, Italian	<i>Lolium multiflorum</i>
Daisy, oxeye	<i>Leucanthemum vulgare</i>	Smartweed	<i>Polygonum spp.</i>
Dandelion, common*	<i>Tarazacum officinale</i>	Snowberry, creeping	<i>Gaultheria</i>

Dock, curly	<i>Rumex crispus</i>	Squawcarpet	<i>humifusa</i> <i>Ceanothus prostratus</i>
Fescue*	<i>Festuca spp.</i>	Thistle, Canada	<i>Cirsium arvense</i>
Fireweed*	<i>Chamerion augustifolium</i>	Velvetgrass	<i>Holcus lanafus</i>
Fleabane, hairy	<i>Conyza bonariensis</i>	Wheatgrass, bluebunch	<i>Pseudoroegneria spicata</i>
Foxtail	<i>Setaria spp.</i>		

<b>Woody Plants</b>	<b>Scientific Name</b>	<b>Woody Plants</b>	<b>Scientific Name</b>
Ash, green*	<i>Fraxinus pennsylvanica</i>	Honeysuckle	<i>Lonicera spp.</i>
Ash, white*	<i>Fraxinus americana</i>	Hornbeam, American	<i>Carpinus caroliniana</i>
Elder, American	<i>Sambucus canadensis</i>	Maple, red*	<i>Acer rubrum</i>
Birch	<i>Betula spp.</i>	Mulberry	<i>Morus spp.</i>
Blackgum*	<i>Nyssa sylvatica</i>	Oaks (such as)	
		Post oak	<i>Quercus stellata</i>
		Southern red oak	<i>Quercus falcate</i>
		Turkey oak	<i>Quercus laevis</i>
		Water oak	<i>Quercus nigra</i>
		White oak	<i>Quercus alba</i>
Brambles (such as)	<i>Rubus spp.</i>	Olive, Russian	<i>Elaeagnus angustifolia</i>
Blackberry			
Dewberry			
Raspberry			
Cedar, Eastern red*	<i>Juniperus virginiana</i>	Plum, wild	<i>Prunus spp.</i>
Cherry, black*	<i>Prunus serotina</i>	Rose, multiflora	<i>Rosa multiflora</i>
Cherry, choke*	<i>Prunus virginiana</i>	Sumac*	<i>Rhus spp.</i>
Dogwood* (flowering)	<i>Cornus florida</i>	Sweetgum	<i>Liquidambar styraciflua</i>
Elm	<i>Ulmus spp.</i>	Willow	<i>Salix spp.</i>
Hawthorn	<i>Crataegus spp.</i>	Yaupon*	<i>Ilex vomitoria</i>
Hickory*	<i>Carya spp.</i>		

\* These plants may only be suppressed or partially controlled and may require additional treatment, such as burning, for control especially if resprouts are observed. Evidence of suppression or partial control includes a reduced population and/or vigor as compared to an untreated area. A number of factors influence the degree of suppression: the rate applied, size of plants at application and environmental conditions following treatment.

### USE PRECAUTIONS FOR FORESTRY

**To prevent excessive conifer injury**, avoid applications under the following conditions:

- Trees are under stress from insect damage, disease, drought, winter injury or other conditions that cause stress or poor vigor.
- Soils contain less than 1% organic matter.
- Loamy sand or sandy loam soils contain less than 2% organic matter.
- The conifers are growing on gravelly or rocky soils, exposed subsoils or clay knobs, or sandy soil with 85% or more sand
- Species of conifers in areas to be treated are not listed on this label.
- Southern species have been planted for less than 4 years on coarse-textured soils or for less than 3 years on fine-textured soils.
- Product is not evenly distributed across the treatment area.

**To prevent poor weed and brush control**, avoid applications under the following conditions:

<ul style="list-style-type: none"> <li>- Sites are poorly drained or marshy.</li> <li>- Soil is water-logged.</li> <li>- Soils are high in organic matter (greater than 5%).</li> <li>- Inadequate rainfall is received after a spring application.</li> <li>- Product is not evenly distributed across the treatment area.</li> </ul>
Before applying Alligare Hexazinone 75 ULW, allow any stumps or injured trees to resprout following harvest.
When burning is utilized in site preparation, delay burn until the residual stand has been defoliated at least twice so that sufficient time has elapsed for Alligare Hexazinone 75 ULW residues to be absorbed into the root system.
<p>Alligare Hexazinone 75 ULW will cause injury to or loss of desirable trees or other plants under the following conditions:</p> <ul style="list-style-type: none"> <li>- Granules drift onto desirable plants,</li> <li>- Roots of desirable trees or other plants are exposed to granules near the treated areas, or if plants, trees or their roots come in contact with drained or flushed equipment washwaters.</li> <li>- Granules in treated areas may dissolve and move to where roots of desirable trees or other plants are located.</li> </ul>

**USE RESTRICTIONS FOR FORESTRY**

- Do not apply Alligare Hexazinone 75 ULW if soil is frozen. Some tracts of land may have different soil types and require different rates of Alligare Hexazinone 75 ULW which may lead to damage to conifers or poor suppression of vegetation.
- Wait 60 days after application before cutting for forage or hay or allowing domestic animals to graze in treated areas.
- For all forestry uses, application by fixed-wing aircraft is prohibited.

**NON-AGRICULTURAL USES**

**Respirator fit testing, medical qualification, and training**

Using a program that conforms to OSHA’s requirements (see 29 CFR Part 1910.134), employers must verify that any handler who uses a respirator is:

- Fit-tested and fit-checked,
- Trained, and
- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as heart condition) that would be problematic for respirator use. If concerns are identified, then additional evaluations, such as physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status or respirator style or use-conditions change.
- Upon request by local/state/federal/tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements

**Non-Crop Sites:** For brush control of undesirable herbaceous and woody plants, use Alligare Hexazinone 75 ULW in the following sites:

- Uncultivated, nonfood producing agricultural areas: farmyards, fuel storage areas, fence rows, rights-of-way, fallow land, barrier strips;
- Uncultivated, outdoor nonagricultural areas: airports, highway rights-of-way, railroad rights-of-way, utility rights-of-way (pipelines), sewage disposal areas; Industrial sites (lumberyards, tank farms, etc.

**Application Timing:** Because Alligare Hexazinone 75 ULW requires adequate rainfall for activation, make applications in the late winter through summer (prior to budbreak and through active weed growth periods). At sites that have soils which do not thaw during the winter or do not typically receive sufficient

spring rains to activate Alligare Hexazinone 75 ULW residues in the soil, make an application in the fall or winter before soils freeze.

**Application Equipment:**

- Military installations:** Ground or air applications
- All other sites:** Ground broadcast application only

Ground equipment: Only apply Alligare Hexazinone 75 ULW using modified ground equipment such as a Solo® backpack equipped with a granular applicator that has been modified to deliver the specified use rates on this label. Adjust equipment to deliver a product in a uniform pattern.

Equipment used to apply Alligare Hexazinone 75 ULW must be cleaned with water immediately after application to removed all Alligare Hexazinone 75 ULW residues.

**Alligare Hexazinone 75 ULW Rates and Plants Controlled in Non-Crop Sites:** Refer to the tables below for the Alligare Hexazinone 75 ULW rates and plants controlled. The lower rate in the rate range is for soils with coarse textures or low in organic matter. The higher rate in the rate range is for soils with fine textures or high in organic matter.

**Herbaceous Plants Controlled with 2 1/3 to 8 Pounds Alligare Hexazinone 75 ULW (1.75 lbs to 6 lbs ai hexazinone) per Acre**

<i>Plant</i>	<i>Scientific Name</i>	<i>Plant</i>	<i>Scientific Name</i>
Barnyardgrass	<i>Echinochola crus-galli</i>	Mustard, wild	<i>Sinapis arvensis</i>
Bromegrass	<i>Bromus sp.</i>	Paragrass	<i>Urochloa mutica</i>
Burdock	<i>Arctium lappa</i>	Pigweed	<i>Amaranthus sp.</i>
Cocklebur	<i>Xanthium sp.</i>	Purslane, common	<i>Portulaca oleracea</i>
Crabgrass	<i>Digitaria sp.</i>	Quackgrass	<i>Agropyron repens</i>
Crownvetch	<i>Securigera varia</i>	Ryegrass, Italian	<i>Lolium multiflorum</i>
Fiddleneck	<i>Amisinckia intermedia</i>	Smartweed	<i>Polugonum sp.</i>
Filaree	<i>Erodium circutarium</i>	Spurge	<i>Euphorbia sp.</i>
Fleabane	<i>Conyza bonariensis</i>	Parsnip, wild	<i>Pastinaca sativa</i>
Goatsbeard vine	<i>Aruncus dioicus</i>	Star thistle, wild	<i>Centaurea sp.</i>
Goldenrod, Canada	<i>Solidago Canadensis</i>	Woodsorrel	<i>Oxalis sp.</i>
Lespedeza	<i>Lespedeza sp.</i>		

**Woody Plants Controlled with 3 2/3 to 5 1/3 Pounds Alligare Hexazinone 75 ULW (2.75 lbs to 4 lbs ai hexazinone) per Acre**

<i>Plant</i>	<i>Scientific Name</i>
Pepper, Brazilian	<i>Schinus terebinthifolius</i>

**Woody Plants Controlled with 5 1/3 to 10 2/3 Pounds Alligare Hexazinone 75 ULW (4 lbs to 8 lbs ai hexazinone) per Acre**

<i>Plant</i>	<i>Scientific Name</i>	<i>Plant</i>	<i>Scientific Name</i>
Acacia, catclaw	<i>Acacia greppii</i>	Locust	<i>Robinia sp.</i>
Alder	<i>Alnus sp.</i>	Manzanita	<i>Arctostaphylos sp.</i>
Ash*	<i>Fraxinus sp.</i>	Maple, red*	<i>Acer rubrum</i>
Aspen	<i>Populus sp.</i>	Mesquite	<i>Prosopis sp.</i>
Bay, sweet	<i>Magnolia virginiana</i>	Mulberry	<i>Morus sp.</i>
Blackgum*	<i>Nyssa sylvatica</i>	Myrtle	<i>Myrtus sp.</i>
Birch	<i>Betula sp.</i>	Oaks	<i>Quercus sp.</i>
Cedar, Eastern red*	<i>Juniperus virginiana</i>	Orange, Osage	<i>Maclura pomifera</i>
Cherry, black	<i>Prunus serotina</i>	Persimmon*	<i>Diospyros virginiana</i>
Chinaberry*	<i>Melia azedarach</i>	Plum, wild	<i>Prunus munsoniana</i>
Deerbrush	<i>Caenothus integerrimus</i>	Poplar, yellow	<i>Liriodendron tulipifera</i>
Dogwood	<i>Cornus sp.</i>	Privet*	<i>Ligustrum sp.</i>

Elm, American	<i>Ulmus Americana</i>	Rose, multiflora	<i>Rosa multiflora</i>
Elm, Chinese	<i>Ulmus parvifolia</i>	Sassafras*	<i>Sassafras sassafras</i>
Hackberry	<i>Celtis sp.</i>	Snowbrush	<i>Ceanothus velutinus</i>
Hawthorn	<i>Crataegus sp.</i>	Soapweed, small	<i>Yucca glauca</i>
Hazel	<i>Corylus sp.</i>	Sumac	<i>Rhus sp.</i>
Hickory*	<i>Carya sp.</i>	Sweetgum	<i>Liquidambar styraciflua</i>
Huisache	<i>Acacia farnesiana</i>	Whitebrush	<i>Aloysia gratissima</i>
Juniper	<i>Juniperus sp.</i>	Willow	<i>Salix sp.</i>
Lotebush	<i>Ziziphus obtusifolia</i>		

\*Noted plants are difficult to control.

#### USE PRECAUTIONS FOR NON-CROP SITES

**To prevent poor brush control**, avoid applications under the following conditions:

- Sites are poorly drained or marshy.
- Soil is water-logged.
- Soils are high in organic matter (greater than 5%).
- Inadequate rainfall is received after application.
- Product is not evenly distributed across the treatment area.
- Plants are under stress.

Before applying Alligare Hexazinone 75 ULW, allow any stumps or injured trees to resprout if that area was cleared using mechanical cutting or clearing.

Alligare Hexazinone 75 ULW will cause injury to or loss of desirable trees or other plants under the following conditions:

- Granules drift onto desirable plants,
- Roots of desirable trees or other plants are exposed to granules near the treated areas, or if plants, trees or their roots come in contact with drained or flushed equipment washwaters.
- Granules in treated areas may dissolve and move to where roots of desirable trees or other plants are located.

#### USE RESTRICTIONS FOR NON-CROP SITES

- Do not apply Alligare Hexazinone 75 ULW on areas such as lawns, walks, driveways, or tennis courts.
- Do not apply Alligare Hexazinone 75 ULW if soil is frozen. Do not apply if soil contains 85% or more sand and less than 1% organic matter.
- Wait 60 days after application before cutting for forage or hay or allowing domestic animals to graze in treated areas. Wait 1 year after application before cutting for forage or hay or allowing domestic animals to graze in treated areas if Alligare Hexazinone 75 ULW is applied at rates above 8 lb (6 lbs ai hexazinone) per acre.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store above 40°F or warm and agitate before use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by 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:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration.

## 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. To the extent consistent with applicable law, 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. 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.

[EPA Approval Date]