

7969-150

6.11.2008

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUN 11 2008

Mr. Jeffrey H. Birk
Regulatory Manager
BASF
26 Davis Drive
Research Triangle Park, NC 27709

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Mr. Birk,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated May 13, 2008, for the product Overdrive Herbicide (EPA Registration Number 7969-150). The Registration Division (RD) has conducted its review of this request for its applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The corrected label submitted on June 5, 2008 has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,

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

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

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 7969-150	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) OVERDRIVE herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) BASF 26 Davis Drive Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated 12-11-07
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification- final print label and updated container disposal statements as per PRN 2007-04. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. This notification is not subject to a fee under PRIA. Contact Jeff Birk at 919-547-2622 (phone), 919-547-2850 (fax) or by Email at birkj@basf.com

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 7.5 pounds		5. Location of Label Directions <input checked="" type="checkbox"/> On leaflet label attached to container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jeffrey H. Birk	Title Regulatory Manager	Telephone No. (Include Area Code) 919-547-2622
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Jeffrey H. Birk	5. Date June 6, 2008	

overdrive[®]

herbicide

For broadleaf weed control in noncropland sites, Conservation Reserve Program lands, pasture, hay, and rangeland

Active Ingredients:

sodium salt of diflufenzopyr: 2-(1-[[[3,5-difluorophenylamino] carbonyl]-hydrazono]ethyl)-3-pyridinecarboxylic acid, sodium salt*	21.4%
sodium salt of dicamba: 3,6-dichloro- <i>p</i> -anisic acid**	55.0%

Other Ingredients: 23.6%

Total: 100.0%

*This product contains 20% 2-(1-[[[3,5-difluorophenylamino] carbonyl]-hydrazono]ethyl)-3-pyridinecarboxylic acid (diflufenzopyr) or 0.20 pound acid equivalent per pound of product.

**This product contains 50% 3,6-dichloro-*p*-anisic acid or 0.50 pound acid equivalent per pound of product.

EPA Reg. No. 7969-150

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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.)

See inside for **First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.**

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

FIRST AID

If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

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

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

Follow the manufacturer's instructions for cleaning and 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 Statement

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

Environmental Hazards

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwaters. This chemical 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.

Groundwater and Surface Water Protection

Point-source contamination. To prevent point-source contamination, **DO NOT** mix/load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sinkholes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. **DO NOT** apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment washwaters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells; b) spills; or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

Movement by surface runoff or through soil. DO NOT apply under conditions which favor runoff. **DO NOT** apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for groundwater contamination. Groundwater contamination may occur in areas where soils are permeable or coarse and groundwater is near the surface. **DO NOT** apply to soils classified as sand with less than 3% organic matter and where groundwater depth is shallow. To minimize the possibility of groundwater contamination, carefully follow application rate recommendations.

Movement by water erosion of treated soil. DO NOT apply or incorporate this product through any type of irrigation equipment or by flood or furrow irrigation. Ensure treated areas have received at least 1/2 inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

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.

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 worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

Nonagricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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.

Noncropland, pasture and rangeland weed control is not within the scope of the Worker Protection Standard. See **General Information** of this label for a description of noncropland sites.

DO NOT enter treated areas without protective clothing until sprays have dried.

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

Storage and Disposal

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

Pesticide Storage. Store product in original container only. Store product in a cool, dry place. **DO NOT** store this product under wet conditions. Avoid cross-contamination with other pesticides.

Pesticide Disposal. Wastes resulting from use of this product may be disposed of on-site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 50 pounds) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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.

Triple rinse containers too large to shake (capacity > 50 pounds) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Table 1. General Weed List, Including ALS- and Triazine-resistant Biotypes

Annual Weeds	Annual Weeds <i>(continued)</i>	Perennial Weeds
<p>Amaranth, Palmer Amaranth, Powell Amaranth, spiny Aster, slender Bedstraw, catchweed Beggarweed, Florida Broomweed, common Buckwheat, wild Buffalobur Burr cucumber Buttercup, corn Buttercup, hairy Buttercup, roughseed Buttercup, Western field Carpetweed Catchfly, nightflowering Chamomile, corn Chickweed, common Clovers, annual Cockle, corn Cockle, cow Cocklebur, common Croton, tropic Croton, woolly Daisy, English Devil's claw Eveningprimrose, cutleaf Fleabane, annual Flaxweed Goosefoot, nettleleaf Henbit Jimsonweed Knotweed, prostrate Kochia Ladysthumb Lambsquarters, common Lettuce, prickly Mallow, Venice Marestail (horseweed) Mayweed Morningglory, entireleaf Morningglory, ivyleaf Morningglory, pitted Morningglory, smallflower Morningglory, tall Mustard, tall Mustard, tansy Mustard, wild Mustard, yellowtops Nightshade, black Nightshade, Eastern black Nightshade, hairy Pennycress, field Pepperweed, Virginia Pigweed, prostrate Pigweed, redroot (carelessweed) Pigweed, rough Pigweed, smooth Pigweed, spiny Pigweed, tumble Pineappleweed Poorjoe</p>	<p>Puncturevine Purslane, common Pusley, Florida Radish, wild Ragweed, common Ragweed, giant (buffaloweed) Ragweed, lance-leaf Sesbania, hemp Shepherdspurse Sicklepod Sida, prickly (teaweed) Smartweed, green Smartweed, Pennsylvania Smellmelon Sneezeweed, bitter Sowthistle, annual Sowthistle, spiny Spurge, prostrate Spurry, corn Starbur, bristly Sumpweed, rough Sunflower, common (wild) Thistle, Russian Velvetleaf Waterhemp, common Waterhemp, tall Waterprimrose, winged Wormwood Vetch, hairy</p>	<p>Alfalfa Bindweed, field Bindweed, hedge Buckbrush Buttercup, bulbous Buttercup, creeping Clover, white Daisy, oxeye Dandelion, common Dock, broadleaf Dock, curly Dogbane, hemp Dogfennel (cypressweed) Goldenrod, Canada Goldenrod, Missouri Goldenrod, rigid Horsenettle, Carolina Lespedeza, sericea Milkweed, climbing Milkweed, common Milkweed, honeyvine Nightshade, silverleaf Plantain, broadleaf Plantain, buckhorn Pokeweed Ragweed, Western Sensitivebriar, catclaw Skeletonweed, rush Smartweed, swamp Sneezeweed, common Sowthistle, perennial Thistle, Canada Yankee weed Yarrow, common</p>
	<p>Biennial Weeds</p> <p>Burdock, common Carrot, wild (Queen Anne's lace) Cockle, white Eveningprimrose, common Geranium, Carolina Gromwell Knapweed, diffuse Knapweed, spotted Mallow, dwarf Parsnip, wild Plantain, bracted Ragwort, tansy Starthistle, yellow Sweetclover Teasel Thistle, bull Thistle, musk Thistle, plumeless</p>	

In Case of Emergency

In case of large-scale spillage regarding this product, call:
CHEMTREC 1-800-424-9300
BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

General Information

Overdrive® herbicide is a selective postemergence herbicide for the control of annual and biennial broadleaf weeds and control or suppression of many perennial broadleaf weeds in noncropland sites, Conservation Reserve Program lands, pasture, hay, and rangeland sites. Examples of noncropland sites include, but are not limited to, railroad, utility, pipeline and highway rights-of-way, railroad crossings, utility plant sites, petroleum tank farms, pumping installations, nonagricultural fence rows, and airports.

Mode of Action

Overdrive is absorbed by leaves, roots, and shoots and translocated to the growing points of sensitive weeds to provide postemergence control of emerged weeds as well as moderate residual control of germinating weeds. **Overdrive** controls weeds by auxin transport inhibition and auxin agonist modes of action. In addition, **Overdrive** can complement the activity of other auxin-like herbicides such as triclopyr, picloram and clopyralid.

Weeds treated with **Overdrive** will typically display symptoms within several hours and be controlled in 3 to 7 days. Control of larger annual, biennial, or perennial weeds may require additional time. Treated weeds will stop growing soon after application. Broadleaf weeds will display epinastic twisting and crinkling symptoms before becoming necrotic.

Coverage

Weeds must be thoroughly covered with spray. Dense leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and triple rinsing the equipment before and after applying this product.

Application Instructions

Best product performance is obtained when **Overdrive** is applied to actively growing weeds. **Overdrive** may be applied as a ground broadcast or spot spray application or an aerial application at a rate of 4 to 8 ounces per acre plus spray additive (see **Rates and Additives**). To avoid uneven spray coverage, **Overdrive** should not be used during periods of gusty winds or when wind speeds exceed 10 mph.

MANAGING OFF-TARGET MOVEMENT

Spray Drift

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Spray drift from application equipment or the use of poorly cleaned equipment may cause injury to desirable broadleaf trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, and other broadleaf plants when contacting their roots, stems, or foliage. These plants are most sensitive to **Overdrive** during their development or growing stage.

Only apply this product when the potential for drift to these and other adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, or nontarget crops) is minimal. **DO NOT** apply when the following conditions exist that increase the likelihood of spray drift from intended targets: high or gusty winds, high temperatures, low humidity, and temperature inversions.

To minimize spray drift, the applicator should be familiar with and take into account the following drift reduction advisory information. Additional information may be available from state enforcement agencies or the Cooperative Extension on the application of this product.

The best drift management strategy and most effective way to reduce drift potential is to apply large 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 recommended practice. Significant deflection from the 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. **DO NOT** use nozzles producing a mist droplet spray.

Application Height

Making applications at the lowest possible height (aircraft, ground-driven spray boom) that is safe and practical 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 upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the application equipment (e.g. aircraft, ground) upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller droplets, etc.).

Wind

Drift potential is lowest between wind speeds of 3 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 3 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. **Overdrive® herbicide** should not be applied during periods of gusty wind or when wind speed exceeds 10 mph as uneven spray coverage may occur.

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

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud, which 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.

Wind Erosion

Avoid treating powdery, dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.

Aerial Application Methods and Equipment

Use 2 or more gallons of water per acre. Select nozzles designed to produce minimal amounts of fine spray particles.

The actual minimum spray volume per acre is determined by the spray equipment used. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift. Make aerial

applications at the lowest safe height to reduce exposing the spray to evaporation and wind.

Managing spray drift from aerial applications

Applicators must follow these requirements to avoid off-target drift movement:

- **Boom length.** The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- **Nozzle orientation.** Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees.
- **Application height.** Without compromising aircraft safety, applications should be made at a height of 10 feet or less above the crop canopy or tallest plants. Applicators must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

Ground Application Methods and Equipment

As a wettable granule formulation, **Overdrive** can be applied using water as the spray carrier.

Water volume. Select an appropriate spray volume that ensures adequate coverage of the target weed species. Use higher water volumes when treating dense or tall vegetation.

DO NOT apply less than 3 gallons of spray volume per acre.

Application equipment. Use ground application equipment that will provide good spray coverage of weed foliage. Exercise preventive measures to avoid drift onto nontarget areas.

Rates and Additives

Rate

Use 4 to 8 ounces of **Overdrive** per acre. Use higher rates when treating large annual and biennial weeds or when treating perennial weeds. A maximum of 10 ounces of **Overdrive** can be applied per season per treated acre in noncropland sites. A maximum of 8 ounces of **Overdrive** can be applied per season per treated acre in Conservation Reserve Program lands, pasture, hay, and rangeland sites.

Adjuvants must be used with **Overdrive** to achieve consistent weed control.

Nonionic Surfactant

The standard label recommendation is 1 quart of an 80% active nonionic spray surfactant per 100 gallons of water.

OR

Methylated Seed Oil

Methylated vegetable-based seed oil concentrate may be used at the rate of 1.5 to 2 pints per acre. When using spray volumes greater than 30 gallons per acre, methylated seed oil or vegetable-based seed oil concentrates should be mixed at a rate of 1% of the total spray volume. Methylated seed oils may aid in deposition and uptake of **Overdrive** for hard-to-control perennials, waxy leaf species or when plants are under moisture or temperature stress.

Table 2. Tank Mix Options

Herbicide	Recommendation
picloram (Tordon[®] , Grazon[®] P+D)	For noncropland, pasture and rangeland: To complement weed spectrum or increase weed control, add 4 ozs/A of Overdrive[®] herbicide in tank mixtures with picloram.
triclopyr (Garlon[®] 3A , Garlon[®] 4 , Remedy[®])	For noncropland, pasture and rangeland: To complement weed spectrum or increase weed control, add 4 ozs/A of Overdrive in tank mixtures with triclopyr.
clopyralid (Transline[®] , Stinger[®] , Redeem^{®2)})	For noncropland, pasture and rangeland: To complement weed spectrum or increase weed control, add 4 ozs/A of Overdrive in tank mixtures with clopyralid.
fluroxypyr ¹ (Vista[®])	For noncropland only: To complement weed spectrum or increase weed control, add 4 to 8 ozs/A of Overdrive in tank mixtures with fluroxypyr.
2,4-D	For noncropland, pasture and rangeland: To complement weed spectrum or increase weed control, add 4 to 8 ozs/A of Overdrive in tank mixtures with 2,4-D.
Plateau[®]	For noncropland, pasture and rangeland: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with Plateau .
Arsenal^{®1} , Sahara^{®1}	For noncropland only: To complement weed spectrum where total vegetation control is desired, add 4 to 8 ozs/A of Overdrive in tank mixtures with Arsenal or Sahara .
Paramount^{®1}	For noncropland only: To complement weed spectrum or increase weed control, add 4 ozs/A of Overdrive in tank mixtures with Paramount . When tank mixing with Paramount , always include a methylated seed oil (MSO) at the rate of 1.5 pints per acre.
Pendulum^{®1}	For noncropland only: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with Pendulum .
glyphosate	For noncropland, pasture and rangeland: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with glyphosate.
metsulfuron methyl (Escort[®] , Ally[®])	For noncropland, pasture and rangeland: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with metsulfuron methyl.
sulfometuron methyl ¹ (Oust[®])	For noncropland only: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with sulfometuron methyl.
chlorsulfuron (Telar[®])	For noncropland, pasture and rangeland: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with chlorsulfuron.
diuron ¹	For noncropland only: To complement weed spectrum, add 4 to 8 ozs/A of Overdrive in tank mixtures with diuron.

¹ Tank mixtures with these products are for noncropland sites only. Read and follow the applicable **Directions For Use**, restrictions and limitations, and **registered use sites** for the appropriate tank mix partner.

² **Redeem** is a combination of triclopyr + clopyralid.

Compatibility Test for Mix Components

Add components in the following sequence using 2 teaspoons for each pound of dry product or 1 teaspoon for each pint of liquid product of recommended label rate per acre (**EXAMPLE:** 1 teaspoon for an 8 ozs/A rate of **Overdrive® herbicide**).

1. **Water:** For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
2. **Water-dispersible products** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions): Cap the jar and invert 10 cycles.
3. **Water-soluble products** such as **Overdrive:** Cap the jar and invert 10 cycles.
4. **Emulsifiable concentrates:** Cap the jar and invert 10 cycles.
5. **Water-soluble additives** (i.e. nonionic surfactant): Cap the jar and invert 10 cycles.
6. Let the solution stand for 15 minutes.
7. **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, or fine particles that precipitate to the bottom, or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, **DO NOT** mix the ingredients in the same tank.

Mixing Order

1. **Water.** Begin by agitating a thoroughly clean sprayer tank half full of clean water.
2. **Water-dispersible products** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions).
3. **Water-soluble products** such as **Overdrive.**
4. **Emulsifiable concentrates.**
5. **Water-soluble additives** (i.e. nonionic surfactant).
6. **Remaining quantity water.**

Maintain constant agitation during application. For more information, refer to **General Tank Mixing Information**.

General Tank Mixing Information

Overdrive may be used alone or tank mixed with other herbicides listed for additional weed control (see **Table 2. Tank Mix Options**). Tank mix recommendations are for use only in states where the tank mix product and application site are registered. Read and follow the applicable **General Restrictions and Limitations** and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Overdrive** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers.

General Restrictions and Limitations

- **Rainfast period: Overdrive** is rainfast **4 hours** after application when used with recommended adjuvants according to **Rates and Additives**.
- **DO NOT** apply through any type of **irrigation** system.
- This product cannot be used to **formulate** or reformulate any other pesticide product.
- Pasture and rangeland grass treated with **Overdrive** can be grazed or harvested for livestock feed immediately after application.
- **Crop Rotation Restriction: DO NOT** plant any crops within 30 days after the last application of **Overdrive**.
- **Agricultural use sites: Restricted-Entry Interval (REI) is 12 hours.**
- **Noncropland use sites: DO NOT** enter treated areas without protective clothing until sprays have dried.

Threatened and Endangered Species

To ensure the protection of known populations of threatened and endangered plants when applying **Overdrive:**

1. Federal agencies must follow NEPA regulations to ensure protection of threatened and endangered plants.
2. State agencies must work with the Fish and Wildlife Service or the Service's designated state conservation agency to ensure protection of threatened and endangered plants.
3. Other organizations or individuals must operate under a Habitat Conservation Plan if threatened or endangered plants are known to be present on the land to be treated.

Overdrive should only be applied when the potential for drift to known populations of threatened or endangered plant species is minimal (e.g. when wind is blowing away from the sensitive area).

Site-specific Information

Rights-of-Way, Utility, Industrial Areas, and Other Noncropland Sites

Overdrive may be used for general broadleaf weed control in roadside, utility, pipeline, railroad rights-of-way, and other noncropland sites (see **Table 1** for listed weed species). **Overdrive** may be applied alone or with suitable tank mixes to broaden or enhance weed control. See **Table 2. Tank Mix Options** for additional information on tank mixes. **Overdrive** may be used for general post-emergence broadleaf weed control in noncropland sites where total vegetation control is desired.

Pasture and Rangeland

Overdrive® herbicide may be used in pasture and rangeland sites for post-emergence broadleaf weed control (see **Table 1** for listed weed species). **Overdrive** may be used alone or in combination with other pasture/rangeland labeled herbicides to enhance the control of perennial weeds or complement the spectrum of weeds controlled. See **Table 2. Tank Mix Options** for additional information on tank mixes.

DO NOT apply **Overdrive** to small grains grown for pasture or to newly seeded grasses. Established grasses growing under environmental stresses can exhibit various injury symptoms that may be more pronounced if herbicides are applied. **Overdrive** may injure bentgrass, carpetgrass, buffalograss, St. Augustinegrass, and velvetgrass. **Overdrive** will severely injure alfalfa, clovers, lespedeza, wild winter peas, vetch and other legumes.

Pasture and rangeland grass treated with **Overdrive** can be grazed or harvested for livestock feed immediately after application.

CONSERVATION RESERVE PROGRAMS

Overdrive may be used in established grass stands in Conservation Reserve Programs (CRP) or federal Set-aside Programs for postemergence broadleaf weed control. A maximum of 8 ounces of **Overdrive** can be applied per season per treated acre in Conservation Reserve Programs.

Overdrive may be used alone or in combination with other CRP-labeled herbicides to enhance the control of perennial weeds or complement the spectrum of weeds controlled.

DO NOT apply **Overdrive** to newly seeded grasses. Established grasses growing under environmental stresses can exhibit various injury symptoms that may be more pronounced if herbicides are applied. **Overdrive** may injure bentgrass, carpetgrass, buffalograss, St. Augustinegrass, and velvetgrass. **Overdrive** will severely injure alfalfa, clovers, lespedeza, wild winter peas, vetch and other legumes.

Table 3. Site-specific Rate Limitations for Overdrive

Site	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season
Noncropland sites	8 ozs (0.35 lb ai)	10 ozs (0.438 lb ai)
CRP lands	8 ozs (0.35 lb ai)	8 ozs (0.35 lb ai)
Pasture, Hay, and Rangeland	8 ozs (0.35 lb ai)	8 ozs (0.35 lb ai)

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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