

34704-1053

1/25/2011

1 of 21



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Registration
Number:

34704-1053

Date of Issuance:

JAN 25 2011

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

LPI 6310-20 Herbicide

Name and Address of Registrant (include ZIP Code):

Loveland Products, Inc.
P.O. Box 1286
Greeley, CO 80632-1286

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA provided that you:

1. Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. Submit one-year Storage Stability (Guideline 830.6317) and Corrosion Characteristics (Guideline 830.6320) studies within one-year from the date of this notice.
3. Make the following label changes:
 - a. Change the EPA Reg. No. to "34704-1053".
 - b. Correct the typos in the Spanish statement to "Si usted no **entiende** la etiqueta, busque a alguien para que se la explique a used **en** detalle."
 - c. Change the HAZARDS TO HUMANS AND DOMESTIC ANIMALS statement to read "**Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing.**"
 - d. It is recommended that additional text be added to the Note to Physician section that addresses eye irritation concerns.

Continued on Page 2

Signature of Approving Official:

Kable Bo Davis
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Date:

JAN 25 2011

2021

- e. On page 4, correct the website to "For further information, please refer to <http://www.epa.gov/espp/litstatus/wtc/index.htm>"
- f. On page 5, move the statements "Do not harvest or feed treated vegetation for 8 weeks after application." and "Following spot treatment in forage grasses or legumes, allow 30 days before harvesting or grazing domestic livestock." to the Restrictions section.
- g. On page 8, change both instances of the phrase to "**ASABE standard S572.1**".
- h. On page 12 under FIELD CORN and POPCORN, and on page 13 under SWEET CORN, add the following restriction:

 **"(Preplant or Preemergence)
 Do not apply more than one preplant or preemergence application per crop cycle.
 The maximum application rate is 1.0 pound of 2,4-D a.e. (acid equivalent) per acre per application."**
- i. On page 16 under Ecofarming Systems, correct the typo in both instances from "com" to "**corn**".
- j. On page 17, add the heading "**CONTAINER DISPOSAL**" directly above Nonrefillable container.
- k. On page 18 under For refillable containers, add final disposal instructions in accordance with PR Notice 2007-4 similar to "Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke."

The basic Confidential Statement of Formula (CSF) dated December 21, 2010 is acceptable.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the revised final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this notice or the next printing of the label, whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

30f21

ACCEPTED
with COMMENTS
in EPA Letter Dated
JAN 25 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

34704-1053



LPI 6310-20 HERBICIDE

**FOR CONTROL OR SUPPRESSION OF EMERGED WEEDS IN FALLOW AND
REDUCED TILLAGE SYSTEMS AND CRP OR SET-ASIDE ACRES**

ACTIVE INGREDIENTS

*Glyphosate, in the form of its isopropylamine salt	12.0%
**2,4-D, 2,4-dichlorophenoxyacetic acid, in the form of its isopropylamine salt :	12.0%
OTHER INGREDIENTS:	76.0%

TOTAL100.0%

**AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED
NON-WOODY ROOTS, OR FRUIT OF CROPS, DESIRABLE PLANTS, AND TREES
BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT**

* Contains 131.5 grams per liter or 1.1 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt, equivalent to 97.5 grams per liter or 0.81 pound per U.S. gallon of the acid, glyphosate.

** Contains 131.5 grams per liter or 1.1 pounds per U.S. gallon of the active ingredient 2,4-D, in the form of its isopropylamine salt, equivalent to 103.8 grams per liter or 0.87 pound per U.S. gallon of the acid, 2,4-D.

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 this label, find someone to explain it to you in detail.)

(See below for Additional Precautionary Statements)

**EPA Reg. No. 34704-XXXX
EPA Est. No. 34704-MS-001
NET CONTENTS 2½ GALS. (9.46 L)**

LPI 6310-20 HERBICIDE
34704-XXXX

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • 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 to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
<p>Have the product container with you when calling a poison control center or doctor, or going for treatment.</p> <p>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL: 1-866-944-8565.</p> <p>NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER -- PELIGRO

Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. If swallowed, may cause irritation of mouth and throat. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

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

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

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Chemical-resistant gloves, when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate,
- Chemical-resistant apron, when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate,

5021

LPI 6310-20 HERBICIDE
34704-XXXX

- Goggles or face shield.
- See engineering controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this 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.

Engineering controls statements

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

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Mixers, loaders, applicators, flaggers and other handlers" and have such PPE immediately available for use in an emergency, such as spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap or water. • Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
--

Environmental Hazards

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

This chemical (2,4-D) has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

PHYSICAL OR CHEMICAL HAZARDS

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.

Do not mix, store, or apply this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray

LPI 6310-20 HERBICIDE
34704-XXXX

tanks. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

Read the entire label before using this product. Use only according to label instructions. Read the "CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are unacceptable, return at once unopened.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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 of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al vs EPA C01-0132C (W.D. WA). For further information, please refer to [www.epa.gov/espp/wte/].

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 statement 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, are:

- Coveralls,
- Chemical-resistant gloves made of any waterproof material,
- Shoes plus socks, and
- Protective eyewear.

PRODUCT INFORMATION

LPI 6310-20 Herbicide is for control or suppression of emerged weeds in fallow and reduced tillage systems, prior to planting or emergence of wheat, barley, field corn,

oats, rye, or sorghum (grain or forage), and as a spot treatment in corn, sorghum, forage grasses or forage legumes.

Do not harvest or feed treated vegetation for 8 weeks after application. Following spot treatment in forage grasses or legumes, allow 30 days before harvesting or grazing domestic livestock.

This product enters the plant through the foliage and moves throughout the plant. Visual effects of control are a gradual wilting or yellowing of the plant, which advances to complete browning of above ground growth and deterioration of affected underground plant parts. Visible symptoms will usually develop on labeled weeds within 2 to 4 days after application, but may not occur for 7 or more days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay the visual effects of control.

APPLICATION RESTRICTIONS AND PRECAUTIONS

Restrictions

- Do not plant any crop other than wheat, barley, field corn, oats, rye or sorghum (grain or forage) for 3 months after treatment.
- Do not feed or forage vegetation from treated areas for 8 weeks following application.
- Do not apply this product through any type of irrigation system.

Precautions

Applications of this product after planting and prior to crop emergence may cause crop injury if rainfall or environmental conditions delaying crop emergence are experienced.

This product may be used for control of emerged weeds prior to establishment of labeled crops. Large amounts of green or decaying vegetation left standing or incorporated into the seedbed may enhance the development of disease in newly planted crops. This may result in poor emergence and/or stands, especially under cool and/or wet conditions.

Spraying early to control young weeds before dense stands develop or light cultivation to assist weed decay will favor preparation of suitable seedbeds.

In reduced tillage and no-till systems, ensure good seed-to-soil contact and proper seeding depth.

TO AVOID INJURY OF NEARBY CROPS, DO NOT APPLY IN THE VICINITY OF 2,4-D SENSITIVE CROPS SUCH AS COTTON, GRAPES, TOMATOES AND OTHER DESIRABLE VEGETATION. Apply only when there is no hazard from spray drift, since very small quantities of spray, which may not be visible, may severely injure susceptible crops or desirable vegetation.

Movement of this product on soil particles during windstorms may cause damage to susceptible plants that are contacted. This hazard is reduced if rainfall occurs shortly after application.

8021

LPI 6310-20 HERBICIDE
34704-XXXX

Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this herbicide or other materials that are not expressly specified in this labeling. Mixing this product with herbicides or other materials not specified on this label may result in reduced performance. Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.

LPI 6310-20 Herbicide is subject to all state and county regulations for 2,4-D amine.

MIXING INSTRUCTIONS

LPI 6310-20 Herbicide Alone

1. Fill the spray tank to about 75 percent of the desired volume with clean water.
2. Add the labeled amount of this product, then complete the filling process while maintaining agitation.
3. Remove the hose from the mix tank immediately after filling to avoid siphoning back into the carrier source.
4. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, terminate by-pass and return lines at the tank bottom and/or use an agriculturally approved anti-foam or defoaming agent.

Do not use an additional surfactant for this formulation. Reduced control may occur if water containing soil is used, such as water from ponds and unlined ditches.

LPI 6310-20 Herbicide plus Other Tank Mix Partners

Always predetermine the compatibility of labeled tank mixtures of this herbicide with water carrier by mixing small proportional quantities in advance.

Mix labeled tank mixtures of this product with water as follows:

1. Place a 20- to 35-mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water and start agitation.

(Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive and water soluble liquid.)

3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
5. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
6. Add drift control additive.
7. Continue filling the sprayer tank with water and add the required amount of LPI 6310-20 Herbicide near the end of the filling process.

90921

LPI 6310-20 HERBICIDE
34704-XXXX

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near bottom of tank to minimize foaming. In the nozzle, use a screen size that is no finer than 100 mesh; for in-line strainers, use a screen size that is no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist.

For best results with conventional ground application equipment, use flat fan nozzles. Check label of all products used in tank mix for cleaning instructions. Clean equipment according to the directions for the hardest material to remove.

Ammonium Sulfate

The addition of 1 to 2 percent dry ammonium sulfate by weight (or liquid equivalent) may increase the performance of tank mixtures of this product on annual weeds. Add 8.5 to 17 pounds of dry ammonium sulfate per 100 gallons of spray solution. The improvement in performance may be apparent where environmental stress is a concern. Use the higher rate of ammonium sulfate with this product when treating dense populations or large weeds. Low-quality ammonium sulfate may contain material that will not readily dissolve which could result in nozzle tip plugging. To determine quality, perform a jar test by adding one-third cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve the dry additive in water and filter prior to addition to the spray tank. If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet line.

Ensure that ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water after use to reduce corrosion. Observe all precautionary statements on the ammonium sulfate product labels.

Compatibility problems may occur at carrier volumes below 5 GPA.

Hand-Held Sprayers

Prepare the desired volume of spray solution by mixing the amount of this product in clean water as shown in the following table:

SPRAY SOLUTIONS	
DESIRED VOLUME	AMOUNT OF LPI 6310-20 HERBICIDE
1 gallon	1.3 fl. oz.
25 gallons	1 quart
100 gallons	1 gallon

Application Equipment

Do not apply this product through any type of irrigation system. This product may be applied using either ground or aerial spray equipment. Use extreme care to avoid misting or drifting of herbicide solution onto foliage, green stems

or fruit of desirable crops, trees, or plants during both growing and dormant periods, since even very small quantities of spray can cause severe plant injury.

SPRAY DRIFT MANAGEMENT

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

Droplet Size

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

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

Wind Speed

Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, and nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if:

- a) conditions of temperature inversion exist, or
- b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants

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

Other State and Local Requirements

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

Equipment

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

Ground Application: Apply specified rates of this product in 3 to 10 gallons of water per acre as a broadcast spray. For optimum spray distribution and coverage, use flat fan or low-volume flood nozzles. When using flood nozzles, space them no more than 40 inches apart and ensure double overlap of spray pattern. Refer to the manufacturer's specifications for correct pressure and nozzle height above the target canopy. Avoid pressure and nozzles which produce fine droplets or mist. Do not apply with a nozzle height greater than 4 feet above the ground or crop canopy.

Use appropriate marking devices to ensure uniform spray coverage and best results from LPI 6310-20 Herbicide.

Hand-Held and High-Volume Equipment: Use coarse sprays only. Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, use uniform and complete spray coverage. Do not spray to the point of runoff.

Aerial Application: Apply the specified rates of this product in 3 to 5 gallons of water per acre as a broadcast spray.

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

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

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind.

Sprayer Cleanup

CLEAN THE ENTIRE SPRAYER AFTER APPLICATION OF THIS PRODUCT. Failure to clean the sprayer thoroughly may result in injury to desirable crops which are subsequently sprayed.

1. Add clean water to the tank and thoroughly rinse the entire sprayer system.
2. Fill the tank with water and ammonia.
3. Add 1 quart of household ammonia per 25 gallons of water.
4. Pump enough solution through the hoses, boom and nozzles to fill these parts completely.
5. Fill the tank again (top it off), close and leave for 24 hours before draining and rinsing thoroughly with water.

LPI 6310-20 HERBICIDE
34704-XXXX

120921

Application or use of other agricultural chemicals with the equipment used for this product may result in injury to desirable vegetation.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills.

Prolonged exposure of this product to uncoated steel surfaces may result in corrosion and possible failure of the part. Landing gear are most susceptible. The maintenance of an organic coating (paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

APPLICATION INSTRUCTIONS

Timing of Application

Apply this product postemergence to vigorously growing weeds when they have reached the size specified in the "RATES AND WEEDS CONTROLLED" section of this label. Delay application until maximum emergence of the target weeds, but before weeds exceed the maximum size specified. For annual weeds, allow 1 day after treatment before tillage. For field bindweed, allow at least 7 days after treatment before tillage.

Reduced control may result if treatments are made during poor growing conditions such as drought stress, disease or insect damage or if weeds have been mowed, grazed or cut. Heavy dust on foliage or an overstory canopy covering targeted weeds may also reduce control.

Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application will wash this product off the foliage and a repeat treatment will be required.

For field bindweed and quackgrass, do not till between harvest and fall applications or in fall or spring prior to spring application.

Rates and Weeds Controlled by Application of LPI 6310-20 Herbicide Alone

For best results, apply this product after most weed seeds have germinated but before seedhead formation in grasses or flower bud formation in broadleaves.

When applied as directed, this product will provide control or suppression of the grass and broadleaf weed species listed below. Labeled rates are for maximum weed height at treatment time.

LPI 6310-20 HERBICIDE
34704-XXXX

130f21

ANNUAL WEED SPECIES	Scientific Name	LPI 6310-20 Herbicide Rate per Acre (Fluid Ounces)	Maximum Weed Height (Inches)
Barley	<i>Hordeum vulgare</i>	36	6
Barnyardgrass	<i>Echinochloa crus-galli</i>	49	6
Brome, downy*	<i>Bromus tectorum</i>	36	6
Buffalobur	<i>Solanum rostratum</i>	49	6
Cheat*	<i>Bromus secalinus</i>	36	6
Cocklebur	<i>Xanthium strumarium</i>	36	12
Foxtail	<i>Setaria</i> spp.	36	6
Foxtail, green	<i>Setaria viridis</i>	25	12
Goatgrass	<i>Aegilops cylindrica</i>	49	6
Kochia*	<i>Kochia scoparia</i>	36	6
Lambsquarters	<i>Chenopodium album</i>	36	12
Lettuce, prickly*	<i>Lactuca serriola</i>	36	6
Marestail/Horseweed	<i>Conzya canadensis</i>	36	6
Morningglory	<i>Ipomoea</i> spp.	36	6
Mustard (blue)	<i>Chorispora tenella</i>	49	6
Mustard, tansy	<i>Descurainia pinnata</i>	36	12
Mustard, tumble	<i>Sisymbrium altissimum</i>	36	6
Oats, wild	<i>Avena fatua</i>	36	6
Oats, wild	<i>Avena fatua</i>	49	12
Panicum (fall)	<i>Panicum dichotomiflorum</i>	49	6
Pigweed, redroot	<i>Amaranthus retroflexus</i>	36	12
Pigweed, smooth	<i>Amaranthus hybridus</i>	36	12
Puncturevine	<i>Tribulus terrestris</i>	36	6
Purslane, common	<i>Portulaca oleracea</i>	36	6
Ragweed, common	<i>Ambrosia artemisiifolia</i>	36	6
Ragweed, giant	<i>Ambrosia trifida</i>	36	6
Rye	<i>Secale cereale</i>	36	12
Sandbur, field	<i>Cenchrus</i> spp.	49	12
Stinkgrass	<i>Eragrostis ciliaris</i>	36	12
Thistle, Russian	<i>Salsola kali</i>	36	12
Velvetleaf	<i>Abutilon theophrasti</i>	36	6
Wheat, Volunteer	<i>Triticum aestivum</i>	36	12
Witchgrass	<i>Panicum capillare</i>	36	12
PERENNIAL WEED SPECIES	Scientific Name	LPI 6310-20 Rate per Acre (Fluid Ounces)	Length of Vines/ Treatment Height (inches)
Bindweed (field)**	<i>Convolvulus arvensis</i>	58 to 72 (suppression only)	6 to 18
Spurge, leafy	<i>Euphorbia esula</i>	49 (suppression only)	Spring Flowering or Postbloom

* For improved control in no-till systems or heavy infestations or overwintered stands, use 49 fluid ounces per acre. For best results on light kochia infestations, treat after the plant has passed through the woolly stage of growth and is 3 to 6 inches in height. When treating medium to heavy infestations or plants that are in the woolly stage (1 to 3 inches in height), add 2 fluid ounces per acre of Rifle® to the labeled rate of this product. Use ammonium sulfate with tank mixtures of this product plus Rifle. Refer to the "AMMONIUM SULFATE" section of this label for complete instructions. Refer to the Rifle label for planting, cropping and other restrictions. Follow all precautions on the Rifle label.

**Use the higher labeled rates of this product for dense, well-established stands of field bindweed and for longer-term suppression. This product may also be used as a 1-percent solution on a spray-to-wet basis for annual weed control and field bindweed suppression. Use uniform and complete spray coverage. Do not spray to the point of runoff.

FALLOWLAND

- The maximum individual application rate of 2,4-D is 2.0 pounds a.e. (acid equivalent) per acre per application.

CEREAL GRAINS (WHEAT, BARLEY, OATS, RYE)

- The preharvest interval (PHI) is 14 days.
- Do not apply more than 1.75 pounds of 2,4-D a.e. (acid equivalent) per acre per crop cycle.

(Postemergence)

- Do not apply more than one application per crop cycle.
- The maximum application rate is 1.25 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

(Preharvest)

- Do not apply more than one application per crop cycle.
- The maximum application rate is 0.5 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

FIELD CORN AND POPCORN

- Do not use treated crop as fodder for 7 days following application.
- The preharvest interval (PHI) is 7 days.
- Do not apply more than 3.0 pounds of 2,4-D a.e. (acid equivalent) per acre per crop cycle.

(Postemergence)

- Do not apply more than one application per crop cycle.
- The maximum application rate is 0.5 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

(Preharvest)

- Do not apply more than one application per crop cycle.
- The maximum application rate is 1.5 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

SWEET CORN

- Do not use treated crop as fodder for 7 days following application.
- The preharvest interval (PHI) is 45 days.
- The minimum retreatment interval is 21 days.
- The maximum application rate is 1.5 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

(Postemergence)

- Do not apply more than one application per crop cycle.
- The maximum application rate is 0.5 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

SORGHUM

- Do not apply more than one application per crop cycle.
- The maximum application rate is 1.0 pounds of 2,4-D a.e. (acid equivalent) per acre per application.

FORAGE GRASSES

- Do not cut forage for hay within 7 days of application.
- Do not apply more than 2.0 pounds of 2,4-D a.e. (acid equivalent) per acre per application.
- Do not apply more than 2 applications per year.
- Do not apply more than 4.0 pounds of 2,4-D a.e. (acid equivalent) per acre per year.
- The minimum retreatment interval is 30 days.
- If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.
- For program lands, such as Conservation Reserve Program, consult program rules to determine whether grass or hay may be used. The more restrictive requirements of the program rules or this label must be followed.

Spot Treatment

Spot applications in growing crops must be made prior to heading of small grains and grain sorghum (milo) and silking of field corn. Do not spot treat an area more than once per crop cycle.

- For forage grasses and legumes, apply in areas where the movement of domestic livestock can be controlled. Remove domestic livestock before application and wait 30 days after application before grazing livestock or harvesting. Do not apply more than 2.0 pounds a.e. (acid equivalent) of 2,4-D per acre per application.

Do not treat more than one-tenth of any acre at one time. Do not treat the same area more than once in each growing season.

- For spot treatment in wheat, barley, oats and rye, the maximum individual application rate of 2,4-D is 1.25 pounds a.e. (acid equivalent) per acre. Wait 14 days following application before harvesting grains.

LPI 6310-20 HERBICIDE
34704-XXXX

- For spot treatment in sorghum, the maximum individual application rate of 2,4-D is 1.0 pound a.e. (acid equivalent) per acre.
- For spot treatment in field corn, the maximum individual application rate of 2,4-D is 0.5 pound a.e. (acid equivalent) per acre. Do not use treated crop as fodder for 7 days following application. Wait 7 days following application before harvesting grain.

Postharvest Applications

This product will provide control of weeds following grain harvest. Allow weeds to regrow after damage incurred during harvest operations and to recover from environmental stress before application of this product. Treat weeds prior to the heading stage of annual grasses and before broadleaf weeds exceed 24 inches in height. Ammonium sulfate will improve performance on annual weeds under stress conditions.

ANNUAL WEED	Scientific Name	LPI 6320-10 Herbicide (Fluid Ounces per Acre)
Barnyardgrass	<i>Echinochloa crus-galli</i>	58
Brome, downy	<i>Bromus tectorum</i>	36
Foxtail, green	<i>Setaria viridis</i>	36
Foxtail, yellow	<i>Setaria lutescens</i>	58
Kochia	<i>Kochia scoparia</i>	49
Lambsquarters	<i>Chenopodium album</i>	49
Lettuce, prickly	<i>Lactuca serriola</i>	58
Mustard, tansy	<i>Descurainia pinnata</i>	49
Pigweed, redroot	<i>Amaranthus retroflexus</i>	49
Sandbur, field	<i>Cenchrus spp.</i>	58
Stinkgrass	<i>Eragrostis cilianensis</i>	36
Thistle, Russian	<i>Salsola kali</i>	49
Wheat, Volunteer	<i>Triticum aestivum</i>	36
Witchgrass	<i>Panicum capillare</i>	58

- Make up to 2 treatments per year, as needed, observing at least a 30-day retreatment interval.
- Do not plant any crop other than wheat, barley, field corn, oats, rye or sorghum (grain or forage) for 3 months after treatment.

Aid to Tillage

This product, used in conjunction with preplant and conventional fallow tillage practices, will provide control of downy brome, cheat, volunteer wheat, tansy mustard, and foxtails. Apply 30 fluid ounces of this product in 3 to 10 gallons of water per acre to weeds that are actively growing. Treat when weeds are less than 6 inches in height. Application must be followed by conventional tillage practices before regrowth of the treated plant occurs. Allow at least 1 day after application before tillage. Make no more than 2 applications per season.

LPI 6310-20 HERBICIDE
34704-XXXX

LPI 6310-20 HERBICIDE PLUS ATRAZINE TANK MIXTURE
(For use only in Colorado, Iowa, Kansas, Missouri, Nebraska, Oklahoma, Oregon, South Dakota and Washington.)

Tank mixtures of this product plus atrazine will provide postemergence control of listed annual weeds in fallow and reduced tillage systems. In addition, these tank mixtures will provide soil residual control of weeds listed on the atrazine labels. Ensure that the specific atrazine product is labeled for application in fallow and reduced tillage systems.

ANNUAL WEEDS CONTROLLED WITH LPI 6310-20 HERBICIDE PLUS ATRAZINE TANK MIXTURE^{1, 2}

ANNUAL WEED	Scientific Name	LPI 6320-10 Herbicide (Fluid Ounces per Acre)	Atrazine (Pounds of Active Ingredient per Acre) ^{3,4}
Barnyardgrass	<i>Echinochloa crus-galli</i>	58 (suppression) to 78 (control)	3
Brome, downy	<i>Bromus tectorum</i>	36	1
Foxtail, green	<i>Setaria viridis</i>	36	1
Foxtail, yellow	<i>Setaria lutescens</i>	58	3
Kochia	<i>Kochia scoparia</i>	49	2
Lambsquarters	<i>Chenopodium album</i>	49	2
Lettuce, prickly	<i>Lactuca serriola</i>	49	2
Mustard, tansy	<i>Descurainia pinnata</i>	49	2
Pigweed, redroot	<i>Amaranthus retroflexus</i>	49	2
Sandbur, field	<i>Cenchrus spp.</i>	58	3
Stinkgrass	<i>Eragrostis cilianensis</i>	36	1
Thistle, Russian	<i>Salsola kali</i>	49	2
Wheat, Volunteer	<i>Triticum aestivum</i>	36	1
Witchgrass	<i>Panicum capillare</i>	58	3

¹ Tank mixtures of this product plus atrazine may be applied with ground or aerial equipment. See the "APPLICATION EQUIPMENT" section for instructions.

² Add 1 to 2 percent dry ammonium sulfate by weight to increase the performance of this product plus atrazine tank mixtures.

³ In Oregon and Washington, do not exceed one pound of the active ingredient, atrazine, per acre.

⁴ Consult the atrazine labels for use rates, soil type, planting, cropping and other restrictions, as well as other precautionary statements and use according to the most restrictive label.

Ecofarming Systems

The Ecofarming System consists of the following rotation: winter wheat, com/sorghum, ecofallow. Use the following tank mixture for control of emerged annual weeds before planting com or sorghum in the Ecofarming System.

RESTRICTION: Make no more than one preemergence treatment with 2,4-D per season.

APPLICATION RATE PER ACRE	
LPI 6310-20 Herbicide	49 to 58 fluid ounces
Atrazine	0.75 to 1 pound active ingredient

The above tank mixture of LPI 6310-20 Herbicide plus Atrazine should be applied in 28-0-0 or 32-0-0 liquid fertilizer carrier at 20 to 30 gallons per acre. The liquid fertilizer may be diluted with water to achieve the proper carrier volume.

The following weeds, up to a maximum height of 4 inches, will be controlled by the above specified tank mixture:

Weeds controlled with LPI 6310-20 Herbicide plus Atrazine Tank Mixture in Ecofarming Systems	
Brome, downy	<i>Bromus tectorum</i>
Cheat	<i>Bromus secalinus</i>
Foxtail, green	<i>Setaria viridis</i>
Foxtail, yellow	<i>Setaria lutescens</i>
Kochia*	<i>Kochia scoparia</i>
Lambsquarters	<i>Chenopodium album</i>
Lettuce, prickly	<i>Lactuca serriola</i>
Pigweed, redroot	<i>Amaranthus retroflexus</i>
Thistle, Russian	<i>Salsola kali</i>
Wheat, volunteer	<i>Triticum aestivum</i>

*For improved control of kochia, add 4 fluid ounces per acre (0.125 pound active ingredient per acre) of Rifle to the above tank mixture.

Risk of crop injury from 2,4-D or Rifle can be reduced by applying this treatment 7 to 14 days before planting.

Refer to the specific product labels for crop rotation restrictions and cautionary statements for all products used in these tank mixtures.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not store near fertilizers, seeds, insecticides or fungicides.

PESTICIDE STORAGE: Keep container closed to prevent spills and contamination. Store above 40°F to keep product in solution. See container label for additional PESTICIDE STORAGE instructions.

For small containers that are mobile, if crystals form, place in a warm room (e.g., 72°F), allow the product to reach room temperature and roll or shake periodically until crystals have dissolved.

For large mobile containers, if crystals form, place in a warm room (e.g., 72°F), allow the product to reach room temperature. Mix well or circulate periodically until crystals have dissolved.

For stationary or very large mobile containers, if product cools below 40°F, allow to warm above 60°F for several days and circulate well before using.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate ground water. 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. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages up to 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. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use 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.

For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use 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.

For packages greater than 56 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL AND TO THE EXTENT REQUIRED BY APPLICABLE LAW, BUYER OR USER MUST SEND WRITTEN NOTICE OF ITS CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, P.O. BOX 1286, GREELEY, CO 80632-1286.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

FORMULATED BY:



P.O. BOX 1286 GREELEY, CO 80632-1286

Rifle® is a registered trademark of Loveland Products, Inc.