

34704-907

8/25/2010

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

EPA Reg. Number:

Date of Issuance:

34704-907

AUG 25 2010

Term of Issuance:

Name of Pesticide Product:

2,4-DB 200

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

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 reregistered in accordance with FIFRA section 4(g)(2)(C) provided 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. Make all the following changes to the product label:
 - a. Due to the importance of resistance management to a long-term pest-management strategy, it is suggested that resistance management grouping symbols and statements be included on the labeling as described in PR Notice 2001-5.
 - b. The First Aid "If Inhaled" statement is optional for this product.
 - c. It is recommended that additional text be added to the Note to Physician section that addresses eye irritation concerns.
 - d. Change the Hazards to Humans and Domestic Animals statement to read as follows:

"DANGER Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin."

Continued on Page 2

Signature of Approving Official:

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)

Date:

AUG 25 2010

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- e. Change the PPE section to read as follows:

“Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

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

- long-sleeved shirt and long pants,
- shoes and socks,
- chemical-resistant gloves,
- protective eyewear, and
- chemical-resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to concentrate.

See Engineering Controls for additional requirements.”

- f. Change the Environmental Hazards sentence to read “Do not contaminate water when disposing of equipment washwaters **or rinsate.**”
- g. Under Environmental Hazards, remove the paragraph “Do not discharge effluent containing this product...or Regional Office of the EPA.” since it is not required for end-use products.
- h. Change the restricted-entry interval (REI) from “12 hours” to “48 hours”.
- i. Add “Protective eyewear” to the early-entry PPE in the Agricultural Use Requirements box.
- j. Change the following headings on page 2 and all references throughout the label:
i. From “GENERAL CAUTIONS AND RESTRICTIONS” to “PRODUCT RESTRICTIONS”.
ii. From “GENERAL INFORMATION” to “PRODUCT INFORMATION”.
iii. From “GENERAL WEED LIST” to “WEED LIST”.
- k. Under Spray Drift Management, correct the typo to read “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.”
- l. Throughout the label, remove the table heading “2,4-DB 200 Recommendations” for all non-tank mix application rates.
- m. Under PEANUTS, add the restriction “Do not apply to peanuts within 60 days of harvest.” and remove all conflicting texts.

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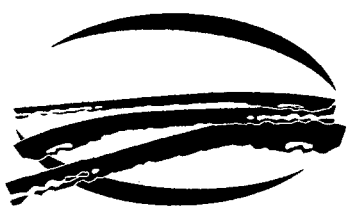
The basic confidential statement of formula (CSF) dated February 26, 2009 is acceptable.

A stamped copy of your label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after twelve (12) 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 sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

Stamped 2-27-09 4089

ACCEPTED
with COMMENTS
In EPA Letter Dated:
AUG 25 2010



2,4-DB 200

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

34704-907

Broadleaf Herbicide Controls Broadleaf Weeds in Soybeans, Peanuts, Seedling and Established Alfalfa, and Seedling Birdsfoot Trefoil.

ACTIVE INGREDIENT:		
4-(2,4-Dichlorophenoxy)butyric acid, dimethylamine salt*	25.9%
OTHER INGREDIENTS:	74.1%
	TOTAL	100.0%

*4-(2,4-Dichlorophenoxy)butyric acid equivalent 22.0% by weight or 2 pounds per gallon.

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.)

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 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 do so by the poison control center or doctor. • Do not give anything by mouth 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 further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:
1-866-944-8565.**

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA REG. NO. 34704-907

EPA EST. NO. 34704-MS-001

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing spray mist. Wear appropriate protective eyewear such as goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

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

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

- Long-sleeved shirt and long pants;
- Shoes and socks; plus
- Chemical-resistant gloves and
- Chemical-resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to concentrate.

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. See Engineering Controls for additional requirements.

Engineering Control Statements

Engineering Controls: Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

USER SAFETY RECOMMENDATIONS

- Users should:
- 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.
 - 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 chemical is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring issues. Do not contaminate water when disposing of equipment washwaters. Do not contaminate water intended for irrigation or domestic purposes. Do not apply when weather conditions favor drift from target area.

Groundwater Contamination: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-DB have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-DB pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

This chemical has properties and characteristics associated with chemicals detected in groundwater. 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.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

MIXING AND LOADING: Most cases of ground water contamination involving phenoxy herbicides such as 2,4-DB have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-DB pesticides at such sites to prevent contamination of ground water supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent ground water contamination.

Do not apply 2,4-DB 200 directly to or otherwise permit it to come in contact with cotton, okra, grapes, tomatoes, fruit trees, vegetables, flowers, or other desirable crop or ornamental plants. Do not permit spray mist to drift onto susceptible plants since very small quantities of 2,4-DB 200 can cause severe injury during the growing or dormant periods. Use coarse sprays to minimize drift. Do not apply with nozzles that produce fine spray droplets.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

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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 regulations.

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 intervals. 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,
- Shoes plus socks, and
- Chemical-resistant gloves made of any waterproof material.

GENERAL CAUTIONS AND RESTRICTIONS

Do not apply 2,4-DB 200 through any type of irrigation system.

Do not use in or near a greenhouse.

Do not feed/graze soybean forage or harvest hay for 60 days following any 2,4-DB application.

APPLICATION PROCEDURES

2,4-DB 200 can be applied to registered use areas by ground and aerial application equipment. The following provides recommended methods of application for each crop.

SPRAY DRIFT MANAGEMENT

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

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 0.300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2-10 mph at the application site.

Additional requirements for aerial applications: 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.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Do not make applications into temperature inversions.

Additional requirements for ground boom applications: Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Drift from ground application may be reduced by: (1) keeping the spray boom as near to the crop as possible in order to obtain complete coverage; (2) by applying 10 gallons or more of spray per acre; (3) by using no more than 20 pounds of pressure at the nozzle tips; and (4) by not spraying when wind exceeds 5 miles per hour.

Drift from aerial application may be reduced by: (1) applying as near to the target as possible to obtain adequate coverage; (2) by applying 5 or more gallons of spray per acre; (3) by using 20 pounds pressure or less at the nozzle tips; (4) by using nozzles which produce a coarse spray pattern.

Applications by aircraft, ground rig and hand sprayers should be carried out only when there is no hazard from spray drift.

GROUND APPLICATION

Use a standard herbicide boom sprayer that provides uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers.

Select a spray volume and delivery system that will ensure thorough and uniform spray coverage. For optimum spray distribution and thorough coverage, use of flat fan nozzles (maximum tip size 8008) with a minimum spray pressure of 30 psi at the nozzle tips is recommended. *Where the potential for drift is a problem, see the "Environmental Hazards" section for recommendations to reduce drift.* Other nozzle types that produce coarse spray droplets may not provide adequate coverage of the weeds to ensure optimum control. Raindrop nozzles are not recommended as weed control with 2,4-DB 200 may be reduced. In general a minimum spray volume of 10 gallons per acre (GPA) is

recommended for optimum spray coverage. When using higher speed equipment, a maximum speed of 10 mph is suggested if field conditions cause excessive boom movement during application and subsequent poor spray coverage. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas.

AERIAL APPLICATION

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. In general a minimum spray volume of 5 GPA and a maximum pressure of 40 psi are recommended. *Where the potential for drift is a problem, see the "Environmental Hazards" section for recommendations to reduce drift.*

MIXING INSTRUCTIONS

2,4-DB 200 ALONE: Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the recommended amount of 2,4-DB 200. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

TANK MIXTURES: 2,4-DB 200 can be applied in tank mixture with other herbicides registered for use on approved crops. Refer to the specific crop section for rate recommendations and other restrictions. To apply 2,4-DB 200 in mixture with another product, fill the spray tank 1/2 to 3/4 full with clean water and begin agitation. If tankmixing with wettable powder, soluble powder, flowable or dry flowable products, add the powder or flowable product first. After the other herbicide is thoroughly mixed with water, add the recommended amount of 2,4-DB 200 and add water to the spray tank to the desired level. If tankmixing with other product types, add the 2,4-DB 200 first before adding the other product. Always mix one product in water thoroughly before adding another product or compatibility problems may occur. Never mix two products together without first mixing in water.

Maintain sufficient agitation while mixing and during application to ensure a uniform spray mixture. If spray mixture is allowed to remain without agitation for short periods of time, be sure to agitate until uniformly mixed before application.

COMPATIBILITY

Evaluate tank mixtures not listed on this label for compatibility and crop safety on a small area before applying to the entire field.

2,4-DB 200 may form an insoluble precipitate in very hard water. If you expect to mix 2,4-DB 200 with very hard water, test compatibility by mixing a small amount of 2,4-DB 200 in the proposed dilution ratios, shake and observe. A compatibility agent approved for use on growing crops such as UNITE or E-Z MIX may be tested to reduce precipitation. Whenever hard water is used to dilute 2,4-DB 200, spray immediately and do not allow spray mixture to sit overnight.

GENERAL INFORMATION

Spray tank residues of 2,4-D or MCPA mixed with 2,4-DB 200 can cause serious crop or ornamental plant injury. A sprayer previously used to apply these chemicals must be thoroughly cleaned with alkali and water before applying 2,4-DB 200. Be sure sprayer is clean before applying 2,4-DB 200.

Local conditions may affect the use of herbicides. Consult your State Agricultural Experiment Station, Farm Advisors, or Extension Weed Specialists for advice in selecting treatments from this label to best fit local conditions.

INJURY TO CROPS FROM THIS HERBICIDE MAY OCCUR. IF YOU ARE NOT PREPARED TO ACCEPT SOME DEGREE OF CROP INJURY, DO NOT USE THIS PRODUCT.

Crop varieties vary in response to 2,4-DB and some are easily injured. Apply 2,4-DB 200 only to varieties known to be tolerant to 2,4-DB. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to 2,4-DB, consult your seed company, state Agricultural Extension Service or qualified crop consultant for advice.

This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).

Be sure that use of this product conforms to all applicable laws, rules, and regulations. Certain states have restrictions pertaining to application distances from susceptible crops. The applicator should become familiar with these laws, rules, or regulations and follow them exactly.

GENERAL WEED LIST

2,4-DB 200 alone will control or suppress the following weeds depending on weed size.

COMMON NAME	BOTANICAL NAME	MAXIMUM WEED HEIGHT*
velvetleaf	<i>Abutilon theophrasti</i>	1 inch
Virginia copperleaf	<i>Acalypha virginica</i>	1 inch
prickly sida (teaweed)	<i>Sida spinosa</i>	1 inch
common ragweed	<i>Ambrosia artemisiifolia</i>	1 inch
three-seed croton (goatweed)	<i>Croton lindheimeri</i>	1 inch
lambquarters	<i>Chenopodium album</i>	1 inch
wild mustard	<i>Sinapsis arvensis</i>	1 inch
field pennycress	<i>Thlaspi arvense</i>	1 inch
jimsonweed	<i>Datura stramonium</i>	1.5 inches
devilsclaw	<i>Proboscidea louisianica</i>	2 inches
pigweed	<i>Amaranthus spp.</i>	3 inches
morningglory	<i>Ipomoea spp.</i>	36 inches

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COMMON NAME	BOTANICAL NAME	MAXIMUM WEED HEIGHT*
cocklebur	<i>Xanthium</i> spp.	36 inches
curled dock	<i>Rumex crispus</i>	3 inches
Russian thistle	<i>Salsola kali</i>	3 inches
yellow rocket	<i>Barbarea vulgaris</i>	3 inches
smartweed	<i>Polygonum</i> spp.	3 inches
sicklepod**	<i>Cassia obtusifolia</i> (L.)	2 inches

*Growth of larger weeds will be only suppressed.

**Sicklepod may only be partially controlled. Repeat applications of 2,4-DB 200 may be necessary for control.

SOYBEANS

2,4-DB 200 Recommendations

PRODUCT	RATE
Preplant through pre-emergence 2,4-DB 200	0.7 - 0.9 pint/A
+	+
Non-ionic surfactant	0.5% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply to soybeans before planting or before crop emergence.

WEEDS: For control of emerged cocklebur, annual morningglories and other susceptible broadleaf weeds, apply when weeds are small and actively growing (see GENERAL WEED LIST). 2,4-DB 200 may not give complete control of larger overwintered mustards. Best results will be achieved by adding a non-ionic surfactant at a 0.5% V/V to the spray tank when making a preplant or preemergence application of 2,4-DB 200.

Postemergence broadcast (over the top)

2,4-DB 200	0.7 - 0.9 pint/A
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APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply to soybeans grown in the Southern states only from 7 to 10 days before bloom up to mid-bloom when soybeans are about knee-high and growing actively. Soybean foliage should be dark green indicating that nodulation and nitrification are under way. Post emergence broadcast application at these rates prior to or after this application timing is not recommended as reduced flowering and yield may result. DO NOT APPLY 2,4-DB 200 postemergence broadcast to soybeans grown in the midwest states of IA, IL, IN, KS, KY (except the Purchase area), MO (except the MO bootheel), MI, MN, NE, ND, OH, SD and WI.

WEEDS: For control of emerged cocklebur, annual morningglories and other susceptible broadleaf weeds, apply when weeds are small and actively growing (see GENERAL WEED LIST).

PRODUCT	RATE
Postemergence directed band 2,4-DB 200	0.7 - 1.6 pints/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply when soybeans are 8 or more inches tall with sprayer nozzles mounted to insure proper placement of spray on only the lower 1/3 of the soybean plants. Do not allow spray to contact growing terminals of beans as excessive crop injury will result. Do not mount nozzles on booms with drop pipes or on cultivators without gauge wheels. Use flat fan type nozzles, 8001 or larger or the equivalent with nozzle pressure less than 30 psi and at least 10 gallons of spray volume per acre. To control emerged cockleburs and annual morningglories up to 3 inches tall, apply 0.7 to 0.9 pint/A per broadcast acre as a directed band treatment.

WEEDS: To control other susceptible broadleaf weeds up to 1 inch tall, apply 1.4 to 1.6 pints per broadcast acre as a directed band treatment. Apply no more than 2 higher rate applications per season to reduce the potential for crop stunting.

TANK MIXTURES OF 2,4-DB 200 AND OTHER HERBICIDES IN SOYBEANS

Applying tank mixtures of 2,4-DB 200 with other soybean herbicides as directed below can reduce competition from early weed populations and can improve weed control or control mid-to-late-season weed populations, thus minimizing the likelihood of yield reduction in soybean fields with heavy broadleaf weed infestations. However, treating soybeans under stress (as from drought or disease such as *Phytophthora* root rot) or in any other manner not directed on this label, can cause crop injury and yield reduction. The advantage of treating weeds with an appropriate tank mixture should be balanced against any potential for loss. Follow the local recommendations of your state, Cooperative Extension Service, or other agricultural weed control authority. Always follow the recommendations of any product used in tank mixture with 2,4-DB 200.

PRODUCT	RATE
2,4-DB 200	0.5 - 0.75 pint/A
+	+
Gramoxone® Extra	1.5 - 5 pints/A
+	+
Non-ionic surfactant	0.5% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply before planting or before soybean emergence. Do not apply this tank mixture after crop emergence.

WEEDS: For improved control of emerged annual morningglory, common cocklebur, marehail and other problem weeds, apply to small actively growing weeds. Refer to the Gramoxone® Extra label for full list of weed species controlled and specific application stage and rate recommendations.

2,4-DB 200	0.7 - 0.9 pint/A
+	+
Prowl®	1.0 - 3.0 pints/A
+	+
Non-ionic surfactant	0.5% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply up to 45 days prior to soybean planting. Do not apply a 2,4-DB 200 + Prowl tank mixture at or after planting North of Interstate 80. Surface applications of Prowl tank mixtures North of Interstate 80 require at least 1 inch rainfall or mechanical incorporation prior to planting or crop injury may result. Do not apply this tank mixture after crop emergence.

WEEDS: For control of emerged cocklebur, annual morningglories and other susceptible broadleaf weeds, apply when broadleaf weeds are actively growing and small (see GENERAL WEED LIST). 2,4-DB 200 mixtures may not give complete control of larger overwintered mustards. Best results will be achieved by adding a non-ionic surfactant to the spray tank when making a preplant application.

2,4-DB 200	0.5 - 0.75 pint/A
+	+
Roundup® or Honcho®	1 - 1.5 pints/A
+	+
Non-ionic surfactant	0.5 - 1.0% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply before planting or before soybean emergence. Do not apply this tank mixture after crop emergence.

WEEDS: For improved control of emerged annual morningglories, common cocklebur and other problem weeds, apply to small actively growing weeds. Refer to the Roundup or Honcho labels for specific rate recommendations, application stage and weed species controlled.

2,4-DB 200	0.5 - 0.75 pint/A
+	+
Pursuit Plus®	2.5 pints/A
+	+
Non-ionic surfactant	0.25% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply before planting or before soybean emergence. Do not apply this tank mixture after crop emergence.

WEEDS: For improved control of emerged mustards, field pennycress and other problem weeds, apply when broadleaf weeds are actively growing and small (see GENERAL WEED LIST).

PRODUCT	RATE
2,4-DB 200	0.5 - 0.75 pint/A
+	+
Scepter®	0.66 pint/A
or	or
Scepter 70DG	2.8 oz./A
+	+
Non-ionic surfactant	0.25% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply before planting or before soybean emergence. Do not apply this tank mixture after crop emergence.

WEEDS: For improved control of emerged mustards, field pennycress and other problem weeds, apply when broadleaf weeds are actively growing and small (see GENERAL WEED LIST).

2,4-DB 200	0.5 - 0.75 pint/A
+	+
Squadron®	3 pints/A
+	+
Non-ionic surfactant	0.25% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply before planting or before soybean emergence. Do not apply this tank mixture after crop emergence.

WEEDS: For improved control of emerged mustards, field pennycress and other problem weeds, apply when broadleaf weeds are actively growing and small (see GENERAL WEED LIST).

2,4-DB 200	2 fl oz/A
+	+
Basagran®	1.5 - 2 pints/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to soybeans. Under certain conditions soybean foliage may burn, crinkle and bronze following application.

WEEDS: To improve control of annual morningglories, apply to morningglory vines up to 6 inches long in the Southern states of AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX and VA or a maximum of 10 inches long in all other states.

2,4-DB 200	2 fl oz/A
+	+
Blazer®	1.5 - 2 pints/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to soybeans. Under certain conditions, soybean foliage may burn, crinkle and bronze following application. Soybean yield may be reduced. Do not add surfactant or crop oil to this mixture as increased crop injury may result.

WEEDS: To improve control of larger morningglories, cockleburs, common ragweed, jimsonweed and pigweed, apply when weeds are actively growing and before they are 12 inches tall or long.

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2,4-DB 200	2 - 3 fl oz/A
+	+
Reflex®	1 - 1 1/2 pints/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to soybeans. Under certain conditions bronzing, crinkling or spotting of soybean foliage may occur.

WEEDS: For improved control of annual morningglories, giant ragweed and cocklebur, apply to actively growing weeds in the seedling stage of growth.

2,4-DB 200	0.8 pint/A
+	+
Lorox®	1 pint/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply to soybeans as a directed band treatment only when soybeans are at least 8 inches high. Do not spray higher than 3 inches on the soybean stem or unacceptable crop injury may result. Do not spray over the top of soybean plants.

WEEDS: For postemergence control of annual morningglories, sicklepod, teaweed, cocklebur and sesbania, apply when weeds do not exceed 4 inches in height. A second application may be necessary, but do not make more than 2 applications per season.

2,4-DB 200	0.9 pint/A
+	+
Sencor® DF	0.33 - 0.66 lb/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply to soybeans as a directed band treatment only when soybeans are at least 8 inches high, with spray or nozzles mounted to insure proper placement of spray on no more than the lower 1/3 of the soybean plants. Do not apply directly to soybean plants or serious crop injury will occur. Soybean leaves contacted by spray will be killed. Follow all variety restrictions on the full Sencor® DF label.

WEEDS: For improved control of cocklebur, annual morningglories and other broadleaf weeds, apply before weeds are 3 inches tall. A non-ionic surfactant may be added to improve broadleaf weed control.

2,4-DB 200	2 - 3 fl oz/A
+	+
Pursuit	4 fl oz/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to soybeans. Apply anytime after soybean emergence but no later than 85 days before soybean harvest.

WEEDS: To improve control of morningglories, common ragweed, and giant ragweed. See Pursuit label for weeds controlled, and use precautions.

PRODUCT	RATE
2,4-DB 200	1 - 2 fl oz/A
+	+
Classic®	1/2 oz/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to soybeans. Apply after first trifoliolate has opened but no later than 60 days before soybean maturity.

WEEDS: Provides improved control of most annual broadleaf weeds, including morningglories, and common lambsquarters, compared to Classic alone. See Classic label for weeds controlled and precautions.

2,4-DB 200	1 - 2 fl oz/A
+	+
Scepter® O.T.	1.0 pint/A
+	+
Nonionic surfactant	0.25% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to soybeans. Apply anytime after soybean emergence but no later than 90 days before soybean harvest.

WEEDS: Provides improved control of morningglories compared to Scepter O.T. alone. Check Scepter O.T. label for weeds controlled and precautions.

RESTRICTIONS AND LIMITATIONS FOR USE ON SOYBEANS

- Beans stressed by drought or other influences should not be sprayed.
- Do not use this product on soybeans that show symptoms of disease such as Phytophthora root rot.
- Do not graze or feed soybean hay within 60 days after application of 2,4-DB 200 tank mix application.
- Do not harvest soybeans within 60 days after spray application.
- Do not treat soybeans with a tank mixture of 2,4-DB 200 and SEVIN® Carbaryl Insecticide as severe injury may result.
- When preplant through preemergence treatment is followed with a 2,4-DB 200 postemergence application, the cumulative rate should not exceed 1.6 pints per acre per season.
- Follow all restrictions and limitations of any product used in tank mixture with 2,4-DB 200.
- Do not use 2,4-DB 200 alone or in tank mixture as a preplant through preemergence application to soybeans in California.

PEANUTS

2,4-DB 200 Recommendations

PRODUCT	RATE
2,4-DB 200	0.8 - 1.0 pint/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply to peanuts 2 to 12 weeks after planting in the states of AL, AR, FL, GA, LA, NC, MS, SC, TN and VA. In NC, SC and VA, do not apply later than 45 days before harvest.

WEEDS: For control of annual morningglories, cocklebur and other broadleaf weeds, apply when these weeds are small and actively growing (see GENERAL WEED LIST). A second application may be made for late germinating cocklebur and morningglories.

0.8 - 1.6 pints/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply to peanuts 2 to 12 weeks after planting in the states of OK, TX and NM only. Do not apply later than 100 days after planting or 30 days before harvest.

WEEDS: For control of annual morningglories and cocklebur, apply 0.8 - 1.0 pint/A of 2,4-DB 200 when these weeds are actively growing and before they are 3 inches tall. For optimum control of other susceptible broadleaf weeds (see GENERAL WEED LIST), apply 2,4-DB 200 at 1.6 pints/A. For optimum prickly sida suppression, make a second application 14 days later.

TANK MIXTURES OF 2,4-DB 200 AND OTHER HERBICIDES IN PEANUTS

PRODUCT	RATE
2,4-DB 200	0.8 - 1.6 pints/A
+	+
Pursuit®	2 - 4 fl oz/A
+	+
Nonionic surfactant	0.25% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to peanuts. Follow restrictions listed above depending on the state.

WEEDS: Will provide enhanced control of morningglories, prickly sida, common and giant ragweed and suppression of 1" tall sicklepod.

2,4-DB 200	0.8 pints/A
+	+
Classic®	1/2 oz/A
+	+
Nonionic surfactant	0.25% V/V

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence not less than 60 days after peanuts emerge to within 45 days of peanut harvest. See Classic label for additional restrictions and precautions.

WEEDS: For late season control of Florida beggarweed, plus morningglories, lambsquarters, and other weeds on the 2,4-DB 200 label.

PRODUCT	RATE
2,4-DB 200	0.5 - 1.0 pint/A
+	+
Starfire®	11 fl oz/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply at ground crack. A second application may be made up to 28 days after ground crack.

WEEDS: Controls or suppresses many annual weeds < 6" tall, and provides improved control of cocklebur, sicklepod, and morningglory compared to Starfire alone.

RESTRICTIONS AND LIMITATIONS FOR USE ON PEANUTS

- Do not feed treated peanut vines or peanut hay to livestock.
- Do not apply 2,4-DB 200 if peanut plants are under stress from drought as injury may occur.

FORAGE LEGUMES
(SEEDLING AND ESTABLISHED ALFALFA,
SEEDLING BIRDSFOOT TREFOIL)

2,4-DB 200 Recommendations

PRODUCT	RATE
2,4-DB 200	1 - 3 quarts/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to seedling forage legumes and seedling or established alfalfa. Forage legumes should be healthy and actively growing for greatest selectivity. In established alfalfa, twisting of stems and malformation of leaves may occur. Under most conditions this response is usually outgrown. A non-ionic surfactant at 0.25% V/V may be included in seedling alfalfa grown in dry, low humidity areas only. Non-ionic surfactant may cause some twisting of stems and malformation of leaves. This response is usually outgrown under most conditions.

WEEDS: For control of emerged lambs-quarters, pigweed, field pennycress, wild mustard, common ragweed, cocklebur, yellow rocket, Russian thistle and annual morningglory species less than 1 inch high, apply 2,4-DB 200 at 1 to 2 quarts/A. For control of these weeds up to 3 inches tall, apply 2,4-DB 200 at 2 - 3 quarts/A. Use the higher rates in dry, low humidity growing areas.

For control or suppression of smartweed and curled dock up to 3 inches tall, apply 2,4-DB 200 at 3 quarts/A.

In seedling alfalfa only, the addition of a non-ionic surfactant at 0.25% V/V may improve broadleaf weed control under dry, low humidity conditions. 2,4-DB 200 may not adequately control overwintered broadleaf weeds including field pennycress and mustards.

2,4-D 200
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FORAGE LEGUMES
(SEEDLING AND ESTABLISHED ALFALFA ONLY)

2,4-DB 200 Tank Mixture Recommendations

PRODUCT	RATE
2,4-DB 200	1 - 3 quarts
+	+
Poast®	1 - 2.5 pints
+	+
Crop Oil Concentrate	2 pints/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply this tank mix postemergence to seedling and established alfalfa only. Alfalfa should be healthy and actively growing for greatest crop tolerance. Established alfalfa is less tolerant to 2,4-DB 200 than in the seedling stage of growth. Some yellowing and burning of alfalfa foliage, stem and leaf malformation may occur with this tank mixture. Alfalfa will generally outgrow this response. Balance the severity of your grass and broadleaf weed problem with the potential for crop injury. Do not add non-ionic surfactant, Dash®, UAN solution or ammonium sulfate to this tank mixture.

WEEDS: For control of emerged susceptible broadleaf and grass weeds that are actively growing, refer to the 2,4-DB 200 forage legume recommendations above and the Poast label for weeds controlled and application timing for full use recommendations.

FORAGE LEGUMES
(SEEDLING ALFALFA ONLY)

2,4-DB 200 Tank Mixture Recommendations

PRODUCT	RATE
2,4-DB 200	1 quart/A
+	+
BUCTRIL®	1 pint/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliolate leaves. This tank mixture may result in unacceptable crop leaf burn, especially under warm, humid weather conditions. See BUCTRIL® label for additional precautions and restrictions. Do not use this tank mix on established alfalfa.

WEEDS: This tank mix provides improved control of pigweed, kochia and tansy mustard compared to 2,4-DB 200 or BUCTRIL alone. Apply when weeds do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. 2,4-DB 200 + BUCTRIL tank mixtures will not adequately control overwintered pennycress, henbit and mustards.

RESTRICTIONS AND LIMITATIONS FOR USE ON FORAGE LEGUMES

- Do not graze established alfalfa or feed straw or hay from treated established alfalfa to livestock within 30 days after application.
- Do not graze or feed seedling alfalfa or seedling birdsfoot trefoil within 60 days after application.
- Do not use on clover, peas or other legumes not mentioned above.
- Do not apply when crop is stressed from lack of moisture.
- Do not spray when the temperature exceeds 90°F and/or is predicted to exceed 90°F during the three days following application.
- Do not add any wetting agents or detergents to the spray solution unless as specified on this label.
- Rainfall or overhead irrigation within 7-10 days following a 2,4-DB 200 application can cause unacceptable crop injury.
- For irrigated crops, apply 2,4-DB 200 as soon as possible after irrigation. Delay the next irrigation for 7-10 days after spraying.
- Follow all restrictions and precautions of any product used in tank mixture with 2,4-DB 200.

CONSERVATION RESERVE PROGRAM AREAS

2,4-DB 200 Recommendations

PRODUCT	RATE
2,4-DB 200	1 - 3 quarts/A

APPLICATION TIMING AND SPECIFIC COMMENTS

CROP: Apply postemergence to Conservation Reserve Program areas containing grasses which are tillering or have a minimum of 6 leaves and forage legumes (seedling or established alfalfa and seedling birdsfoot trefoil) which are emerged, healthy and actively growing. Temporary twisting of stems and malformation of forage legume leaves may occur following treatment.

WEEDS: For control of lambsquarters, pigweed, field pennycress, wild mustard, common ragweed, cocklebur, yellow rocket, Russian thistle, and annual morningglory species less than 1 inch tall, apply 2,4-DB 200 at 1 to 2 quarts/A. For control of these weeds up to 3 inches tall, apply 2,4-DB 200 at 2 - 3 quarts/A. Use the higher rates in dry, low humidity areas.

For control or suppression of smartweed and curled dock up to 3 inches tall, apply 2,4-DB 200 at 3 quarts/A.

RESTRICTIONS AND LIMITATIONS FOR USE ON CONSERVATION RESERVE PROGRAM (CRP)

- Do not graze or harvest treated CRP areas.
- Do not use on clover, peas or other legumes not mentioned above.
- Do not apply when cover crop is stressed from lack of moisture.
- Do not spray when the temperature exceeds 90°F and/or is predicted to exceed 90°F during the three days following application.
- Do not add any wetting agents or detergents to the spray solution.
- Rainfall or overhead irrigation within 10 days following a 2,4-DB 200 application can cause unacceptable legume injury.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a dry secured storage area. Keep container tightly closed when not in 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 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.

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2,4-D 200
EPA REG. NO. 34704-907

LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, 7251 WEST
4TH STREET, GREELEY, CO 80634.

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