

Lorox[®] DF¹

Herbicide

Get control of ALS-resistant prickly lettuce and mayweed chamomile (dogfennel)

Lorox[®] DF herbicide is now available (through a Section 18 emergency exemption) for use on lentils in the states of Idaho and Washington for control of prickly lettuce and mayweed chamomile (dogfennel).

Count on Lorox DF for improved performance

Lorox DF controls many germinating or newly emerged broadleaf weeds.

- Lorox DF is a 50 percent dry flowable dispersible granule to be mixed in water and applied as a spray for selective control of weeds in lentils.
- Lorox DF is to be applied post planting and pre-emergence to lentils; pre-emergence or early postemergence to annual broadleaf weeds.
- Weeds controlled by Lorox DF are prickly lettuce, mayweed chamomile (dogfennel), chickweed, lambsquarters and mustards.

About Lorox DF

Lorox DF contains linuron, a photosystem II inhibitor which is a different mode of action than ALS-inhibiting herbicides.

Herbicide family: Phenylurea, substituted urea, or urea (Herbicide Group 7).

Physiological behavior: Lorox DF is absorbed readily into roots following soil application and less into leaves when foliar applied.

Translocation: Lorox DF readily translocates upward in the xylem with little or no downward movement in the phloem.

Behavior in soil: Herbicide adsorption increases as soil clay and organic matter increase.

Transformation: Insignificant losses to photodegradation, except where soils are warm and no activating rainfall is received for several days or weeks after application. Microbial degradation is the primary means of dissipation in the soil.

Symptomology: With soil applications, seedlings emerge but become chlorotic in a few days, followed by complete necrosis.

Foliar applications on emerged weeds begin with interveinal chlorosis of leaves and yellowing of their margins. Further chlorosis and necrosis follows in susceptible plants.

Use recommendations

Seedbed preparation: A good uniform seed bed with minimal clods. Plant lentil seed a uniform 2 inches deep in the soil.

Use rate: Apply single application of Lorox DF alone at 1.0 to 1.5 lbs per acre. Use highest use rate for soil type and organic matter. Higher rates will be required for soils high in clay and organic matter. Lower rates can be used on lighter and coarser soils.

Application timing: Lorox DF is to be sprayed post planting and pre-emergence to the lentil crop; pre-emergence or early postemergence to the weeds.

Method of application: Ground application only.



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Tank mixes or sequential applications: Lorox DF may be tank mixed with other herbicides registered for use in lentils. Limited tank mix or sequential application information is available at time of Section 18 labeling. This treatment may cause some chlorosis or minor necrosis to the lentil crop. Be sure that tank mix partner is registered as a pre-emergence application. Follow the most restrictive recommendations of the labeled products. It is recommended that you determine crop tolerances of lentils prior to adopting as an entire field practice to avoid possible crop injury to lentils.

AVERAGE CROP RESPONSE

- 2.0 pounds Lorox DF
- Injury – 0 to 10 percent
- Yield – 108 percent to 237 percent compared to Sencor® at 5.3 ounces per acre

Crop rotation

Do not apply more than 1.25 pounds of Lorox DF per acre per year, if the treated lentil field will be rotated into winter wheat in the fall or winter, and where average annual rainfall is less than 16 inches.

Do not apply more than 1.5 pounds of Lorox DF per acre per year.

The following crops may be replanted immediately after the last application of Lorox DF: asparagus, carrot, celery, parsnips and sorghum.

Do not plant spring wheat, barley, canola or any other crops not registered for the rate of linuron until 12 months after the last application of Lorox DF.

Soil residual

Best weed control will be obtained when ½ to 1 inch of rainfall or irrigation occurs within two weeks after application.

Lorox DF on the soil surface should not be incorporated or disturbed after the application as weed control may be reduced and crop injury may result.

The degree and duration of weed control will vary with the amount of chemical applied, soil texture and amount of moisture following application.

Precautions

Crop injury to lentils may result if crop is stressed from cold weather, poor seedbed preparation, shallow seed placement, clay knobs or poorly covered sub soils, water logged or flooded soils, poor soil fertility, disease and insect damage.

If heavy rainfall or irrigation occurs soon after application, injury to lentil crop may result.

Do not use Lorox DF on sand or loamy sand soils or on soils with less than 1% organic matter.

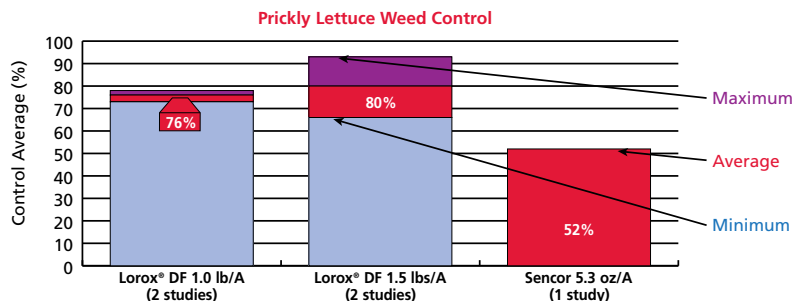
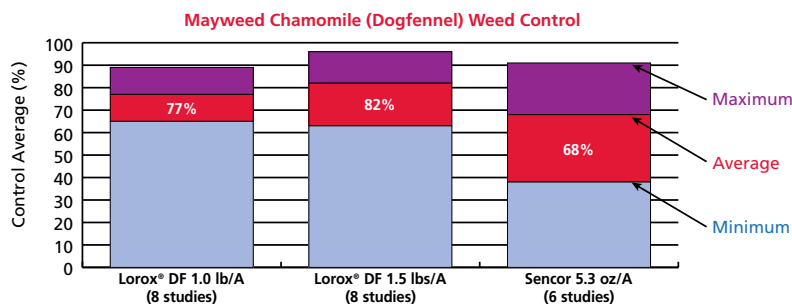
1. Lorox DF herbicide is available for use on lentils for the control of mayweed chamomile (dogfennel) (Anthemis cotula) and prickly lettuce (Lactuca scariola) through Section 18 exemptions. The exemptions are valid through June 20, 2010, for distribution and use of Lorox DF within specific counties in the states of Washington and Idaho. Read and follow the label use directions and restrictions for your state and specific counties. The Section 18 label must be in the possession of the user at the time of application. For a copy of the Section 18 label, go to www.novasource.com.

Important: Always read the label before buying and follow label instructions when using this product.

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Failure to strictly follow label directions may cause injury to crops, animals, man or the environment. Tessenderlo Kerley, Inc. (TKI) warrants that the product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use when properly applied in normal weather conditions. TKI makes no other warranty or representation of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose. The exclusive remedy against TKI for any cause of action relating to the handling or use of the product is a claim for actual out-of-pocket damages, and in no event shall TKI be liable for special, indirect, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profits or income, whether or not based on the negligence of TKI, breach of warranty, strict liability in tort, or any other cause of action. TKI and the seller offer the product, and the buyer and users accept it, subject to the foregoing conditions of sale and limitations of warranty, liability and remedies.

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