



Grasshopper Control in Pastures, Rangeland, and Non-Crop Areas – 2002
James Robinson
Extension Entomologist
Texas A&M University Agricultural Research & Extension Center, Overton

Grasshoppers may cause problems in Texas again this year. Pesticides labeled for hopper control in pasture, rangelands and non-crop areas are listed below. **Note: the restrictions are for beef cattle only. If these products are used on a dairy, refer to the label for information on harvest and grazing.**

Insecticides Labeled for Grasshopper Control in Pastures or Rangeland

Malathion 57 EC: Use 1 ½ to 2 pts per acre. There are no grazing or harvest restrictions.

Malathion ULV: Use 8-12 fluid ounces per acre. This product is specifically designed for aircraft and ground equipment capable of applying ultra low volumes. There are no grazing or harvest restrictions.

Carbaryl: Sevin 4F and Sevin XLR. Use ½ to 1 qt per acre.

Restrictions:

Rangeland: May be harvested or grazed the same day as application. Do not make more than one application per year.

Pasture: Do not apply within 14 days of harvest or grazing. Do not exceed 3 ¾ pounds per acre per year. Up to two applications per year may be made but not more often than once every 14 days.

Carbaryl: Sevin 4-Oil ULV. Use ¾ to 1 qt per acre.

Restrictions: Do not make more than one application per year. May be harvested or grazed the same day as treatment. Do not apply more than one quart per acre per year.

Carbaryl: Sevin 80 WSP. Use 2/3 to 1 ¼ lb per acre.

Restrictions:

Rangeland: May be harvested or grazed the same day as application. Do not make more than one application per year.

Pasture: Do not apply within 14 days of harvest or grazing. Do not exceed 3 ¾ pounds per acre per year. Up to two applications per year may be made but not more often than once every 14 days.

Methyl Parathion 4 lb/gal. Use 1½ pints per acre.

Restrictions: **This is a restricted use product and is very toxic.** Do not apply within 15 days of harvest or grazing. Helena Chemical Co. formulates their product under the trade name of 4 lb. Methyl Parathion. Griffin Chemical Co. formulates methyl parathion under the trade name of Declare.

Diflubenzuron: Dimilin 25W. Use 0.5 to 1.0 oz per acre.

Do not exceed a total of 1.0 oz per acre per year. There are no harvest or grazing restrictions.

Diflubenzuron: Dimilin 2L. Use 0.5 to 1.0 fl oz per acre.

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Non-Crop Areas

(field borders, fencerows, roadsides, ditch banks borrow pits)

The products listed for pasture and rangeland in addition to acephate can be used for grasshopper control in these non-crop areas.

Acephate: Orthene 75SP and Orthene 97

Acephate: Orthene 75 SP use 1/3 lb per acre. Do not graze or feed vegetation cut from treated areas.

Orthene 97 use 1/4 lb per acre. Do not graze or feed vegetation cut from treated areas.

Grasshopper baits

Cereal grain baits formulated with carbaryl, Sevin XLR, can be used for grasshopper control.

SEVIN XLR

DIRECTIONS FOR USE AS A CEREAL GRAIN BAIT: FOR END USE ONLY. NOT FOR REPACKAGING. FOR USE ONLY BY GOVERNMENT PERSONNEL OR PERSONS UNDER THEIR DIRECT SUPERVISION (e.g., USDA, STATE AND LOCAL EXTENSION PERSONNEL, ETC.)

Mixing Instructions

Mix the appropriate amount of SEVIN® brand XLR Plus Carbaryl Insecticide with a cereal grain substitute (cereal grains or their by-products, such as flaky wheat bran, rolled wheat, rolled oats and/or barley or oat millings) to make a carbaryl bait containing 2% to 10% active carbaryl. For example, for a bait containing 5% carbaryl, mix 1 quart SEVIN® brand XLR Plus Carbaryl Insecticide (contains 1 lb. active carbaryl) with each 19 pounds of cereal grain substrate. Mix only the amount of bait necessary for each insect control program.

Storage Instructions

Store carbaryl bait in a cool, dry area out of reach of children and animals. Do not contaminate water, food, or feed by storage or disposal. **NOTE:** Carbaryl bait should only be stored temporarily while awaiting application.

Application Instructions

Applications may be made with ground equipment (hand cyclone spreader) or with aerial application equipment with a metered bait spreader attachment.

PASTURES, RANGELAND, WASTELAND, ROADSIDES

Use 0.50 lbs. active ingredient/acre for the control of grasshoppers and Mormon crickets. Use of oil bait assay is suggested for control of high grasshopper populations. Do not make more than 1 application per acre per year. May be harvested or grazed the same day as treatment.