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## EC66-1510 Insect Control Guide for Beef Cattle in Nebraska

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# INSECT CONTROL GUIDE FOR BEEF CATTLE

NEBRASKA

Compiled by Extension Entomologists  
University of Nebraska  
College of Agriculture and Home Economics

RECEIVED

Precautions: Insecticides are poisonous to man and animals if not used correctly. Read and understand the label on every insecticide before opening the package. If full instructions for the intended use are not on the label, do not use the material on live-stock. Never use more insecticide than that recommended on the label, and do not market animals before the specified time after treatment.

The chemicals listed in the publication are not all that are available for application to livestock, but they are considered safe to use if directions are followed. Proper use should not result in illegal residues or injury to beef animals.

STUDY THE LABEL



STUDY THE LABEL

EXTENSION SERVICE, UNIVERSITY OF NEBRASKA  
COLLEGE OF AGRICULTURE AND HOME ECONOMICS AND  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
E. F. FROLIK, DEAN J. L. ADAMS, DIRECTOR



Never use a crop insecticide on livestock. Be certain that the label specifies that the material can be used on animals. Some crop formulations can be more toxic to animals due to differences in solvents.

Insecticides are manufactured as dusts, wettable powders, soluble powders, and emulsifiable concentrates. Dusts may be preferred during very cold weather, and are normally used as they are purchased. Wettable powders and soluble powders are to be mixed with water. It is necessary that mixtures be agitated constantly to prevent settling out resulting in higher concentration at the end of the tank. Emulsion concentrates are liquid concentrates to be mixed with water before application. Emulsion concentrates are also mixed with fuel, furnace, diesel, or special backrubber oils for use in rubbing devices.

Trade names have been used in some instances. This is not to be interpreted as an endorsement of a particular brand, nor is it intended to discriminate against similar products which are not mentioned by name.

Abbreviations:

WP . . . . .	wettable powder	Lbs. . . . .	pounds
EC . . . . .	emulsifiable concentrate	Gal. . . . .	gallon
D . . . . .	dust	Qt. . . . .	quart
Wt. . . . .	weight	Pt. . . . .	pint
SP . . . . .	soluble powder	Oz. . . . .	ounces

BEEF CATTLE

INSECT	MATERIAL	AMOUNT TO 100 GAL. WATER	RESTRICTIONS
Horn flies, lice and ticks	Methoxychlor 50% WP	8 Lbs.	No restrictions.
	Methoxychlor 2 lbs./gal.	2 Gal.	
	Toxaphene 40% WP	10 Lbs.	Do not treat with toxaphene
	Toxaphene 4 lbs./gal.	1 Gal.	within 1 month of slaughter.
	Malathion 5 lbs./gal.	7 Pts.	Do not treat sick animals or
	Malathion 25% WP	16 Lbs.	animals less than 1 month
			old with malathion. Do not
			treat with Korlan within 56
			days of slaughter.
	Korlan (ronnel) 24% EC	2 Gal.	
	Co-Ral 25% WP	4 Lbs.	Do not treat sick animals or
			calves under 3 months old
			with Co-Ral. Spray animals
			3 to 6 months old lightly.
			Do not use with ANY OTHER
			insecticide or wormer.
	Delnav 30% EC	2 Qts.	Do not reapply for at least
			2 weeks.
	Lindane 20% EC (lice only)	1 Qt.	Do not use lindane on small
			calves or emaciated animals
			or within 30 days of slaughter.



INSECT	MATERIAL	AMOUNT TO 100 GAL. WATER	RESTRICTIONS
	Sevin 30% WP	5 Lbs.	Apply at the rate of 1 quart per adult animal, less for younger animals. Do not apply within 7 days of slaughter.
Screw worms	Co-Ral 25% WP	8 Lbs.	Do not spray young animals or sick animals.
	Korlan 25% EC	2 Gal.	Do not treat with Korlan within 56 days of slaughter.
Cattle grubs (sprays)	Co-Ral 25% WP	12 Lbs.	See restrictions under horn flies and lice. Spray with high pressure close to animals. Apply from July 1 to October 30.
	Ruelene 25% EC	2 Gal.	Do not apply Ruelene more than once. Do not apply to sick animals or within 28 days of market. Apply from July 1 to October 30.
	Neguvon 80% SP	10 Lbs.	Do not apply within 14 days of slaughter. Apply from July 1 to October 30.
Cattle grubs (pour on)	Ruelene 25% EC	1 part to 2 parts water. Apply 1 ounce of mixture for each 100 lbs. of body weight.	Do not apply within 28 days of market. Do not treat sick animals or animals under stress of any kind. Cattle should have access to water and feed. Treat from July 1 to Oct. 30.
	Co-Ral 4% solution	Apply 1/2 ounce per 100 pounds of body weight, with a maximum of 4 ounces per animal.	See restrictions under Co-Ral Spray. Apply from July 1 to October 30.
	Neguvon 8% solution	Apply 1/2 ounce per 100 pound of body weight, with a maximum of 4 Oz. per animal.	Do not apply within 21 days of slaughter. Do not apply to sick animals or in conjunction with any other insecticide. Apply from July 1 to October 30.
Cattle grubs (feed additives)	Trolene (ronnel, Rid-Eze, Steer-Kleer)	0.6% in feed, 0.3 Lb. per 100 lbs. body weight.	Daily for 7 days. Do not use within 60 days of slaughter. Feed between July 1 and October 30.



INSECT	MATERIAL	AMOUNT TO 100 GAL. WATER	RESTRICTIONS
		0.25% in feed, 0.3 Lb. per 100 Lbs. body weight.	Daily for 14 days. Do not use within 28 days of slaughter. Feed between July 1 and October 30.
		5.5% in block or granules. 0.25 Lb. per 100 Lbs. body weight per month.	Continuously for 75 days or longer. Do not feed within 21 days of slaughter. Also for horn fly control.
Horn flies, lice and face flies (backrubbers)	Methoxychlor 25%	1 part to 4 parts oil.	
	Delnav 20% EC	1 part to 20 parts oil.	
	Toxaphene 60% EC	1 Qt. to 4 Gal. oil.	Do not use toxaphene within 28 days of slaughter.
	Korlan (ronnel) 24% EC	2 Pts. to 5 Gals. oil.	Do not use Korlan within 56 days of slaughter.
	Malathion 57% EC	1 Pt. to 7 Gal. oil.	
	Ciodrin 2 lbs./gal.	1 Qt. to 7 Gal. oil.	
Face flies Stable flies Mosquitoes	Ciodrin 4 lbs./gal.	Mix 1 pint to 6 Gal. water. Spray to cover all parts of animal - 1 to 2 pints per large animal, less for smaller animals.	
	Co-Ral 5% dust	Direct application.	