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INSECT CONTROL RECOMMENDATIONS FOR
HORSES, SHEEP, AND SWINE
NEBRASKA

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

The insect control recommendations in this publication are based on U.S.D.A. recommendations, and label registrations. Farmers and ranchers must be extremely careful in selection of insecticides for use on livestock so that illegal residues do not occur. Labels must be studied thoroughly before mixing to be certain that the material is labeled for use on the animals to be sprayed. The recommended amounts should always be used, the days to expire before slaughter, and all other restrictions carefully observed.

To simplify recommendations, 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.

Recommendations in this publication are subject to change or withdrawal at any time.

CAUTIONS: All insecticides are poisonous and must be used with caution. This is especially true of concentrates before dilution. All precautions on the labels should be studied carefully and followed before use.

Use only formulations manufactured for application to animals, and the dilutions recommended. Some crops formulations may be much more toxic to livestock than the same insecticide in a formulation for animal use.

Extension Service
University of Nebraska College of Agriculture and Home Economics
and U. S. Department of Agriculture Cooperating
E. F. Frolik, Dean E. W. Janike, Director

Run-off of insecticide sprays or dips should be carefully controlled so that animals will not drink from pools, and drinking water will not become contaminated. While making applications, be certain there is no contamination of feeds or feed bunkers.

Store insecticides in original containers away from feed or food in a locked building or room. Empty containers should be punctured or broken and buried 18 inches in the soil. Waste sprays should be disposed of by burying at the same depth.

Avoid getting sprays on skin or breathing spray mists. Be familiar with the product you are using, the symptoms of poisoning, and what to do in case of suspected poisoning. This information will be found on the labels.

ABBREVIATIONS:

Lbs.	pounds	Pts.	pints
Gal.	gallons	WP	wettable powder
Qts.	quarts	EC	emulsifiable concentrate

HORSES

INSECT	MATERIAL	AMOUNT TO 100 GAL. WATER	RESTRICTIONS
Bots	Anthon (trichlorfon) 90% technical	5 grams to 250 pounds body weight	Single oral dose in feed. Do not treat sick or debilitated horses, colts less than 4 months old, or mares in last month of pregnancy. Do not repeat oftener than once every 30 days. Do not treat horses to be used for food. Treat 30 days after killing frost. Follow package directions carefully.
Lice	Co-Ral, 25% WP	8 Lbs.	Do not treat animals less than 3 months old. Do not treat sick animals. Do not use in conjunction with oral drenches or other internal medications.
	Delnav, 30% EC	2 Qts.	" " "
	Toxaphene 40% WP	10 Lbs.	" " "
Stable flies	0.1% pyrethrins + 1.0% synergist		1-2 fluid ounces as a light mist spray daily.
Sheep Ked (tick) and Lice	Rotenone, 5% WP Co-Ral 25% WP	1 Lb. spray 8 Oz. dip 8 Lbs.	 Do not treat animals less than 3 months old. Spray animals 3 - 6 months old lightly. Do not use with pyrethrins, allethrin, or synergist. Do not market less than 15 days after treatment.

SHEEP

INSECT	MATERIAL	AMOUNT TO 100 GAL. WATER	RESTRICTIONS
	Korlan 24% EC	1 Gal.	Do not market for 3 months. Do not reapply within 2 weeks.
	Toxaphene 40% WP	10 Lbs. spray 5 Lbs. dip	Do not market within 28 days.
	Malathion 57% EC	7 Pts.	Do not use on animals less than
	Malathion 25% WP	16 Lbs.	1 month old or on sick or lactating animals.
	Lindane 25% WP	1 Lb. spray	Do not market within 30 days of treatment.
	Methoxychlor 50% WP (lice)	8 Lbs.	
Wool maggots	EQ 335 smear 3%	1 part to 9 parts water	Do not treat sick or lactating animals or within 1 month of market. Wet infested area and surrounding 3 inches.
	Co-Ral 25% WP	8 Lbs.	Do not treat animals less than 3 months old. Do not market within 15 days of treatment. Do not use with other chemicals.
	Korlan 25% EC	1 Gal.	Same as for lice.
	Delnav 30% EC	2 Qts.	Apply to infested areas. Do not apply more than once every 2 weeks. Do not dip animals less than 3 months old.
Scab mites	Lindane 25% WP	2 Lbs. dip	Dip less than 1 minute. Do not market for 60 days. Do not dip sick or emaciated animals. Do not mix with other insecticides.
	Toxaphene 60% EC	1 gal. to 150 gal. water dip	Use only formulations especially for dipping. Do not market for 30 days.
Scab is subject to regulatory action. REPORT ALL CASES TO A VETERINARIAN			
Screw- worms	Co-Ral 5% dust		Dust wounds and surrounding area thoroughly. Repeat as necessary.
	Korlan 24% EC	Same as for Keds and lice	
	EQ 335 3%		Brush or smear on and around wound twice first week and then weekly until healed.

SWINE

INSECT	MATERIAL	AMOUNT TO 100 GAL. WATER	RESTRICTIONS
Lice	Ciodrin 38% EC	2 Qts.	Do not treat sick animals, or more often than once a week.
	Lindane 25% WP also for mange	2 Lbs.	Do not treat animals less than 3 months old. Use only once. Do not use within 30 days of slaughter.
	Toxaphene 40% WP	10 Lbs.	Do not use within 30 days of slaughter.
	Toxaphene 45% EC	1 Gal.	
	Methoxychlor 50% WP	8 Lbs.	No restrictions.
	Korlan 24% EC	1 Gal.	Do not market for 6 weeks. Do not repeat within 2 weeks.
	Co-Ral 25% WP	8 Lbs.	Do not spray animals less than 3 months old. Spray animals 3 to 6 months old lightly. Do not use with other chemicals.
	Malathion 25% WP	16 Lbs.	No restrictions.
	Malathion 57% EC	7 Pts.	
	Delnav 30% EC	2 Qts.	Do not apply more often than every 2 weeks.
Lice	Korlan 5% granules		Apply granules evenly over the bedding area at the rate of 1/2 pound per 100 Sq. Ft. of area. Replace bedding with clean, untreated bedding, or exclude swine from treated bedding 2 weeks before slaughter.
Mange	Lindane 25% WP	2 Lbs.	Do not use within 30 days of slaughter. Use only once.