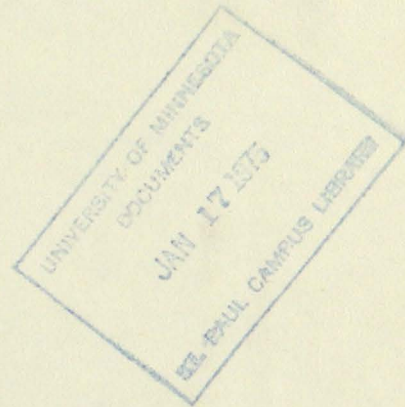
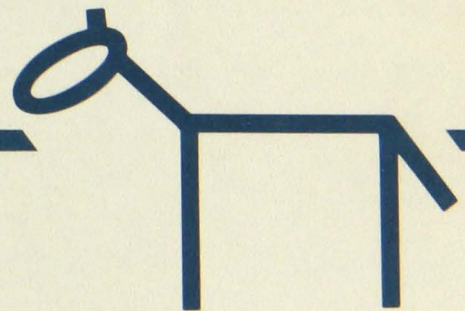


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# Insecticide Suggestions To Control Livestock And Poultry Pests In 1975



C.3  
Bozema



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<sup>3)</sup> Extension Bulletin 390 – 1975  
AGRICULTURAL EXTENSION SERVICE  
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<sub>1)</sub>

# Insecticide Suggestions To Control Livestock and Poultry Pests In 1975

Do not use after 1975

Pest	Host	Insecticide	Dosage	Limitations		
Cattle Grubs	Beef cattle	coumaphos (Co-Ral)	0.5% spray 4% pour-on	None		
		Use but one of the following treatments for grub control. Attempt to treat when animal is not under stress.	crufomate (Ruelene)	6.2% pour-on in water	1 oz. 6.2% pour-on per 100 lb. not to exceed 8 oz. per animal or ½ oz. 13.4% per 100 lb. not to exceed 5 oz. per animal.  Do not repeat application within 28 days nor apply within 7 days before market.  Not after Nov. 1st.	
				13.4% pour-on in oil		
				0.375% spray		
				famphur (Warbex)	13.2% pour-on	1 oz. per 200 lb. body weight (do not exceed 4 oz.) Do not repeat treatment. 35 days before slaughter. Not after Nov. 1.
					0.199% feed pre-mix	4 oz. per 100 lb. daily for 10 days. 4 days before slaughter.
				fenthion (Tiguvon)	0.255% spray	1 application per season. Do not use within 45 days of slaughter.
					3.0% pour-on	½ fluid oz. per 100 lb. of body weight. 35 days between treatments. 35 days before slaughter.
				Imidan (Prolate)	4.0% pour-on	1 fluid oz. per 100 lb. of body weight, but not over 8 fluid oz. per animal. 21 days before slaughter.
					0.25% spray	Apply with high pressure until run-off. 21 days before slaughter.
				ronnel	0.002 lb./100 lb. body weight/day	Feed for 7 consecutive days. Do not treat after Oct. 31. Use as only source of ronnel medication. Not within 10 days of slaughter.
					0.26% in feed	0.3 lb. per 100 lb. for 14 days. Not within 10 days of slaughter.
		5.5% in mineral block	For 75 days.			
Cattle Lice	Dairy cattle	crotoxyphos-dichlorvos (Ciodrin-Vapona, Ciovap)	0.25% spray	Do not apply oftener than once every 7 days.		
			0.25% spray 3.0% dust	Every 14 days.		
			0.05% - 0.1%	No time limitations.		
	Beef cattle	crotoxyphos-dichlorvos (Ciovap)	0.25% spray or dip			
			0.25% spray or 3% dust			
			0.25% spray			

J. A. Lofgren is a professor and extension entomologist; D. M. Noetzel is an instructor and extension entomologist; P. K. Harein is a professor and extension entomologist; L. K. Cutkomp is a professor, Department of Entomology, Fisheries and Wildlife; D. Sreenivasam is assistant extension entomologist.

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Pest	Host	Insecticide	Dosage	Limitations	
		crufomate (Ruelene)	5.0% pour-on in water	} 7 days before slaughter.	
			0.375% spray		
			13.4% pour-on in oil		
			dioxathion (Delnav)	0.15% pour-on	Not oftener than 2 weeks.
			fenthion (Tiguvon)	1% in oil	On backrubber.
			malathion	0.5% dip or spray	7 days.
			methoxychlor	0.5% dip or spray	No time limitations.
				10% dust	
			ronnel (Korlan)	0.25% spray or dip 1.0% in oil	On backrubber.
				5.0% pour-on in water (Korlan 2)	1 fluid oz. per 100 lb. up to 8 oz. per animal.
Face Flies	Dairy cattle	toxaphene	0.5% spray dip	28 days.	
		coumaphos (Co-Ral)	1% in oil	} For face rubber (1 gal. per 20 ft. cable).  Apply as mist spray daily at not over 2 oz. per head.	
		crotoxyphos (Ciodrin)	1% oil solution		
		crotoxyphos dichlorvos (Ciovap)	1¼% oil solution		
		dichlorvos	1% oil solution		
		pyrethrins+ synergist	0.075% oil solution		
		dichlorvos	0.5% baited spray (1 tsp. to forehead). Once per day, morning preferable.		
		ronnel	1% oil solution		On backrubber to permit face treatment.
			Beef cattle	Same as for dairy	
				or Ciodrin 2% oil solution	} On backrubber to permit face treatment.
		or toxaphene 5% oil solution			
		Dust bags (see horn fly control) will provide some reduction of face fly numbers.			
Flies (horn, stable, horse) and mosquitoes	Dairy cattle	Only limited control of horse, deer, and stable flies will be achieved using the following treatments.			
		dichlorvos	1% oil spray	Not over 2 oz. per animal daily as a mist.	
		crotoxyphos (Ciodrin) (or combination of above, Ciovap)	1% oil spray	Not over 1½ oz. per animal daily as a mist.	
		coumaphos (Co-Ral)	1% on backrubbers 1% dust or as a dust bag		
		malathion	4-5% dust	At least 5 hrs. before milking.	

Pest	Host	Insecticide	Dosage	Limitation	
Flies (horn, stable, horse) and mosquitos	Beef cattle	methoxychlor	50% W.P. as dust (1 tbsp.)	Apply after milking not oftener than every 3 weeks.	
		synergized pyrethrins (may also contain repellents).	0.05% to 0.1%	Not over 2 oz. per animal daily as a mist.	
		coumaphos (Co-Ral)	0.25% spray 1% on backrubber 1% dust or as a dust bag		
		crotoxyphos (Ciodrin)	1% spray 1% oil on backrubber 3.0% dust in dust bag		
		crufomate (Ruelene)	13.4% pour-on solution in oil 0.375% spray 6.2% emulsion as pour-on	7 days before slaughter; horn flies only.	
		dioxathion (Delnav)	0.15% spray or dip	Not oftener than 2 weeks.	
			1.5% in oil on backrubber		
		fenthion (Tiguvon)	1% in oil on backrubber		
		malathion	0.5% spray 2% in oil on backrubber. 0.6 lb. ULV† by air.		
		methoxychlor	0.5% spray, 5 or 6% in oil on backrubber.		
		ronnel (Korlan)	0.5% spray 1% in oil on backrubber	7 days before slaughter.	
		toxaphene	0.5% spray 5.0% in oil on backrubber	28 days.	
trichlorofon (Neguvon)	1% spray	14 days before slaughter.			
House Flies	Milkhouse or food processing	pyrethrins	0.1% plus synergist	Space spray. One per 1000 cu. ft.	
		dichlorvos (Vapona)	Plastic strips		
	Barns and animal housing areas	pyrethrins	0.1% + synergist	Space spray with fogger, aerosol or mist.	
		dichlorvos	1.0%		
		naled	0.3%		
		naled	0.5% bait		
		dichlorvos	0.5% bait		
		dimethoate (Cygon, De-Fend)	1.0% residual spray		Remove animals from buildings prior to spraying.
		Dimetilan (Snip)	Fly bands		Hang securely so animals cannot contact bands.
		malathion‡	1% residual spray 1 to 2% bait		Although not always required on the label, it is a good idea to remove animals from the building prior to treatment with residuals.
ronnel (Korlan)	0.5% to 1.0% residual spray				

† ULV = ultra low volume.

‡ If flies are not easily killed, resistance may be involved; newer materials with residual effect are dimethoate, ronnel, chlorfenvinphos, and Rabon.

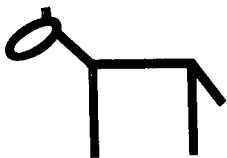
Pest	Host	Insecticide	Dosage	Limitations
		Rabon (Gardona)	1.0% residual spray	
		Rabon (Gardona) +dichlorvos	1.0% + .25% residual spray	
		trichlorfon (Dipterex)	1.0% bait	
		fenthion (Baytex)	1.0% residual spray	
Poultry Mites, Lice	Chickens,** Turkeys	coumaphos (Co-Ral)	½% dust 0.25% spray (1 gal. per 100 birds)	} No time limitations. 7 days. Do not repeat within 4 weeks.
		malathion	0.5% spray 4-5% dust	
		carbaryl (Sevin)	5% dust (1 lb. per 100 birds)	
			0.5% water mist spray (1 gal. per 100 birds)	
Sheep Keds	Sheep	coumaphos (Co-Ral)	0.25% spray ½% dust	15 days. 15 days.
		dioxathion (Delnav)	0.15% spray or dip	Not oftener than 2 weeks.
		diazinon	0.03-0.06% spray or 2% dust	14 days. 14 days.
		malathion	0.05% spray	No time limitations.
		methoxychlor	0.5% spray	
		ronnel (Korlan)	0.25% dip or spray	28 days. No more frequently than every 2 weeks.
Wool maggots	Sheep	diazinon	0.3% spray or dip	Do not dip or spray animals less than 2 weeks old.
		coumaphos (Co-Ral)	0.125% spray or dip or dip	Do not treat lambs under 3 months old. Do not treat in conjunction with oral drenches or other medication.
		ronnel (Korlan)	0.5% spray or dip	Hand apply with brush as wash on and around infested areas.
Scab Mites	Sheep			Scabies in sheep, is reportable to the State Sanitary Livestock Board. Thus any suspicious skin involvement should be checked by a veterinarian and han- dled according to his judgment.
Mange Mites (Sarcoptic) and Lice	Swine	lindane*	0.06% as spray or dip 1.0% dust  0.2% in oil on backrubber	Do not treat before animals are 3 months old or sows within 40 days of farrowing; must be 30 days before slaughter, dips 60 days. If growth rates approach 200 lb. in 150 days, another chemical should be used.
		malathion	0.6% spray or dip 0.5% on rubbing devices 4 to 5% dust	No time limitations.

\*\* Malathion and coumaphos have a residue tolerance of 0.1 ppm in eggs; carbaryl has a zero tolerance.

\* Restricted use pesticide in Minnesota.

Pest	Host	Insecticide	Dosage	Limitations
		toxaphene	0.6% spray or dip 5% dust 5.0% on rubbing devices	} Do not treat before animals are 3 months old. 28 days.
Lice only	Swine	coumaphos (Co-Ral)	0.25% spray	
		crotoxyphos (Ciodrin)	0.25% spray	} No oftener than once a week.
		crotoxyphos-dichlorvos (Ciovap)	0.25% spray	
		dioxathion (Delnav)	0.15% dip or spray	No oftener than once in every 2 weeks.
		methoxychlor	0.5% dip or spray	No time limitations.
		ronnel (Korlan)	0.25% spray or dip	No oftener than once in 2 weeks.





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