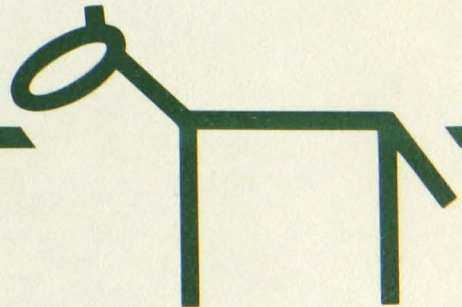


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# Insecticide Suggestions To Control Livestock And Poultry Pests In 1977

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# Insecticide Suggestions To Control Livestock and Poultry Pests In 1977

Do not use after 1977

Pest	Host	Insecticide	Dosage	Limitations		
Cattle Grubs	Beef cattle	coumaphos (Co-Ral)	0.5% spray 4% pour-on	None		
		Use only 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. 12.2% 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. 1.	
				12.2% 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% pour-on	½ fluid oz. per 100 lb. of body weight. 35 days between treatments. 35 days before slaughter.
				phosmet (Imidan Prolate)	4% 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 (Korlan)	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.
					0.003% in feed supplement 5.5% in mineral block	0.3 lb. per 100 lb. for 14 days. Not within 10 days of slaughter. For 75 days.
		Cattle Lice	Dairy cattle	trichlorfon (Neguvon)	1% spray 8% pour-on	Do not exceed 1 oz. per 200 lbs. 21 days before slaughter.
crotoxyphos-dichlorvos (Ciodrin-Vapona, Ciovap)	0.25% spray			Do not apply oftener than once every 7 days.		
coumaphos (Co-Ral)	0.03% spray 1% dust			None.		
	synergized pyrethrins		0.05% - 0.1%	No time limitations.		
Beef cattle	coumaphos (Co-Ral)		0.25% spray or dip			
	crotoxyphos-dichlorvos (Ciovap)		0.25% spray			

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Pest	Host	Insecticide	Dosage	Limitations	
Face Flies	Dairy cattle	crufomate (Ruelene)	5% pour-on in water 0.375% spray 12.2% pour-on in oil	7 days before slaughter.	
		dioxathion (Delnav)	0.15% pour-on		Not oftener than 2 weeks.
		famphur (Warbex)	13.2% pour-on		See cattle grub treatment
		fenthion (Tiguvon)	1% in oil	On backrubber.	
		malathion	0.5% dip or spray	7 days.	
		methoxychlor	0.5% dip or spray 10% dust	No time limitations.	
		ronnel (Korlan)	0.25% spray or dip 1% in oil	On backrubber.	
			5% pour-on in water (Korlan 2)	1 fluid oz. per 100 lb. up to 8 oz. per animal.	
		stirofos (Rabon)	0.35% spray	2 treatments, 28 days apart.	
		toxaphene	0.5% spray dip	28 days.	
		coumaphos (Co-Ral)	1% in oil	For face rubber (1 gal. per 20 ft. cable).	
		crotoxyphos (Ciodrin)	1% oil solution	Apply as mist spray daily at not over 2 oz. per head.	
		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.		
Flies (horn, stable, horse) and mosquitoes	Beef cattle	Same as for dairy or Ciodrin or toxaphene	2% oil solution 5% oil solution	On backrubber to permit face treatment.	
		Dust bags (see horn fly control) will provide some reduction of face fly numbers.			
	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.	

Pest	Host	Insecticide	Dosage	Limitation		
Flies (horn, stable, horse) and mosquitos	Beef cattle	coumaphos (Co-Ral)	1% on backrubbers 1% dust or as a dust bag	At least 5 hrs. before milking. Apply after milking not oftener than every 3 weeks. Not over 2 oz. per animal daily as a mist.		
		malathion	4-5% dust			
		methoxychlor	50% W.P. as dust (1 tbsp.)			
		synergized pyrethrins (may also contain repellents).	0.05% to 0.1%			
				stirofos	3% dust	None.
				coumaphos (Co-Ral)	0.25% spray 1% on backrubber 1% dust or as a dust bag	7 days before slaughter; horn flies only. Not oftener than 2 weeks.
				crotoxyphos (Ciodrin)	1% spray 1% oil on backrubber 3% dust in dust bag	
				crufomate (Ruelene)	12.2% pour-on solution in oil 0.375% spray 6.2% emulsion as pour-on	
				dioxathion (Delnav)	0.15% spray or dip	
					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 5% pour-on in water (Korlan 2)			
		stirofos (Rebon)	3% dust	None.		
		toxaphene	0.5% spray 5% in oil on backrubber	28 days.		
		trichlorofon (Neguvon)	1% spray	14 days before slaughter.		
House Flies	Milkhouse or food processing	pyrethrins dichlorvos (Vapona)	0.1% plus synergist Plastic strips	Space spray. One per 1000 cu. ft.		
	Barns and animal housing areas	pyrethrins	0.1% + synergist	Space spray with fogger, aerosol or mist.		
		naled	0.5% bait			
		dichlorvos	0.5% bait			

† ULV = ultra low volume.

Pest	Host	Insecticide	Dosage	Limitations
		dimethoate (Cygon, De-Fend)	1% 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% residual spray	
		stirofos (Rabon, Gardona)	1% residual spray	
		stirofos +dichlorvos	1% + .25% residual spray	
		trichlorfon (Dipterex)	1% bait	
		fenthion (Baytex)	1% residual spray	
Poultry Mites, Lice	Chickens,** Turkeys	coumaphos (Co-Ral)	½% dust 0.25% spray	1 gal. per 100 birds.
		malathion	0.5% spray	} No time limitations.
		carbaryl (Sevin)	4-5% dust 5% dust	
			0.5% water mist spray	1 lb. per 100 birds. 7 days. Do not repeat within 4 weeks.
				1 gal. per 100 birds. 7 days. Do not repeat within 4 weeks.
Sheep Keds	Sheep	coumaphos (Co-Ral)	0.25% spray or dip 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	0.5% spray	No time limitations.
		methoxychlor	0.5% spray	
		ronnel (Korlan)	0.5% dip or spray	28 days. No more frequently than every 2 weeks.
			5% pour-on in water (Korlan 2)	3cc/50 lb body weight.
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	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.
Lice and Maggots	Goats	Same as above (except diazinon)		Do not apply to lactating goats.

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

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

Pest	Host	Insecticide	Dosage	Limitations
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 handled according to his judgment.
Mange Mites (Sarcoptic) and Lice	Swine	lindane*	0.06% as spray or dip 1% dust	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.
			0.2% in oil on backrubber	
		malathion	0.6% spray or dip 0.5% on rubbing devices 4 to 5% dust	No time limitations.
		toxaphene	0.6% spray or dip 5% dust 5% 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.

\* Restricted use pesticide in Minnesota.





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