

LIST OF APPROVED INSECTICIDES AND INSECT REPELLENTS FOR USE IN THE CONTROL OF BLUETONGUE VECTORS

Table 1. Repellents and Insecticides

Pyrethroid Insecticides for use on animals (Pour On & Spot On formulations)

Trade name	Active Ingredient	Registered Company	Species	Application	Withdrawal period	
					Meat	Milk
Young's Poron	Permethrin (4% w/v)	Novartis	Cattle	1ml per 10kg BW	7 days	None
Young's Vector	Cypermethrin (1.25%)	Novartis	Sheep	Manufacturer's instructions (>12.5kg bodyweight only)	7 days	Do not use
Crovect	Cypermethrin (1.5% w/v)	Novartis	Sheep	10ml/10kg BW (animals > 12.5kg only)	7 days	Do not use
Ectospec pour On	Cypermethrin (2.5% w/v)	Cross Vetpharm	Cattle	10 ml per animal, 5/8 week intervals	10 days	None
Ezeepour Pour On	Cypermethrin (2.5% w/v)	Cross Vetpharm	Cattle	10 ml per animal, 5/8 week intervals	10 days	None
Renegade pour-on	Alpha cypermethrin (1.5% w/v)	Fort Dodge Animal Health	Cattle	10 ml/ per animal as required	14 days	None
Butox 7.5 Pour On Suspension	Deltamethrin (0.75%)	Intervet ireland Ltd.	Cattle	30 ml per 400kg/4 week intervals ¹	3 days	None
			Sheep	10ml per 60kg/4 week intervals ¹	7 days	Do not use
Ridect Pour-On	Permethrin (4% w/v)	Pfizer	Cattle	10 ml per 100kg/4 week intervals	7 days	None
Cypercare	Cypermethrin (2.5% w/v)	Ancare, Medivet Ltd	Cattle	10 ml per animal, 5/8 week intervals	10 days	None
Tilice Pour On	Cypermethrin (2.5%w/v)	Ovelle Ltd., Dundalk	Cattle	10 ml per animal, 5/8 week intervals	10 days	None
Spot On	Deltamethrin (1% w/v)	Schering Plough	Cattle	10ml per animal. Two week intervals	17 days	None
			Sheep	5ml per animal. Two week intervals	25 days	Do not use

Pyrethroid Insecticides for use on animals (Spray On formulations)

Young's Vector	Cypermethrin (1.25%)	Novartis	Sheep	Manufacturer's instructions (>12.5kg bodyweight only)	7 days	Do not use
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Pyrethroid Insecticides for use on animals (Dip formulations)

Cyperguard Concentrate Dip	Cypermethrin (10% w/w)	Cross Vetpharm	Sheep	Dilute 1:500, repeat dip 4/9 weeks as necessary	14 days	Do not use
Ecofleece sheep dip	Cypermethrin (10% w/w)	Cross Vetpharm	Sheep	Dilute 1:500, repeat dip 4/9 weeks as necessary	14 days	Do not use

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Pyrethroid Insecticides for use on animals (Ear tag)

Electron Fly Tags	Cypermethrin (8.5% w/w)	Fort Dodge Animal Health	Cattle	Apply at start of season. 4 months cover	Remove before slaughter	None
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Organophosphate insecticides for use on animals

Winter Dip	Diazinon (Dimpylate) 10%w/v	Hygeia Chemicals Ltd.	Sheep	2.25L dip / 900L cold water. 14 day intervals	35 days	Do not use
Summer Dip	Diazinon (Dimpylate) 10%w/v	Hygeia Chemicals Ltd.	Sheep	2.25L dip / 900L cold water. 14 day intervals	35 days	Do not use
Cooper's Ectoforce Sheep Dip	Diazinon (Dimpylate) 60%w/v	Schering Plough	Sheep	600ml / 900L cold water. 14 day intervals	35 days	Do not use
Osmond's Goldfleece fly and winter dip	Diazinon (Dimpylate) 60%w/v	Cross Vetpharm	Sheep	600ml / 900L cold water. 14 day intervals	35 days	Do not use
Ectoflits Summer & winter sheep dip	Diazinon (Dimpylate) 60%w/v	Cross Vetpharm	Sheep	600ml / 900L cold water. 14 day intervals	35 days	Do not use

Insecticides for use on housing, vehicles, farm yards

Product	Active Ingredient	Registered company	Method of use
Protector C	Cypermethrin (0.1% w/v)	TP Whelehan, Son & Co Ltd. (Agropharm)	Contact killer with residual activity when sprayed onto surfaces

Larvicides for use on insect breeding sites in housing and farm yards

Neoporex 2SG	Cyromazine (2% w/w)	Novartis	Apply at 25g / m ² on manure heaps or other fly breeding sites
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Recommended by the Institute of Animal Health, Pirbright, UK.

¹Mehhorn, H., Schmahl, G., D'Haese, J., Schmacher, B. Butox (2007) Butox 7.5 pour on: a deltamethrin treatment of sheep and cattle: pilot study of killing effects on Culicoides species (Ceratopogonidae). Parasitology Research