

Active Ingredients Formulations	Class of traditional anthelmthotics			Flukicide ONLY				Flukicide COMBINATIONS					
	Bezimidazoles O/BOLUS	Levamisole O/INJ/PO	Macrocyclic Lactone INJ/PO	Closantel INJ	Nitroxynil INJ	Triclabendazole O	Oxyclozanide O	Ivermectin+ clorsulan INJ	Ivermectin+Closental INJ /PO	Levamisole +oxyclozanide O	Levamisole+ triclabendazole O	Ivermectin +Triclabendazole O	Closental + mebendazole O
<b>Ostertagia</b>													
Adults	Y	Y	Y					Y	Y	Y	Y	Y	Y
Larvae	Y		Y					Y	Y			Y	Y
Inhibited Larvae	Y		Y					Y	Y			Y	Y
Persistancy	Y (Bolus 20 wks)	X	Y(3-6 WKS)					Y	Y	X	X	Y	
<b>Cooperia</b>													
Adults	Y	Y	Y					Y	Y	Y	Y	Y	Y
Larvae	Y	Y	Y					Y	Y	Y	Y	Y	Y
Persistency	Y(Bolus 20wks)	X	Y(2-4 WKS)					Y	Y	X	X	Y	Y
<b>Dictyocaulus</b>													
Aduls	Y	Y	Y					Y	Y	Y	Y	Y	Y
Larvae	Y	Y	Y					Y	Y	Y	Y	Y	Y
Persistency	Y(BOLUS 20 WKS)	X	Y (2-4WKS)					Y	Y	X	X	Y	Y
<b>Fasciola</b>													
Adult	Y(Resistance)			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Immature				Y	Y	Y		Y	Y	Y	Y	Y	Y
Tradenames	ALBEX ALLVERM OVISPEC RYCOBEN ENDOSPEC ALBENIL Bovex (NOT FLUKE) Panacur (NOT FLUKE) Zerofen (NOT FLUKE) Parafend (NOT FLUKE) Fenzol (NOT FLUKE)	Chanaverm Levacur Levacide	Bimectin Cydectin Dectomax Dipidex Eprinex Ivomec Panomec Qualimec Virbamec Oramev (Sheep only) Startect (sheep only) Vectin (Sheep only) Eprizero Noromectin Enovex Zolvix (MONEPANTEL)	Flukiver	Trodax	Endofluke Fasinex Tribex	Zanil	Animec Super Ivomec Super Virbamec Super Bimectin Plus	Closamectin Norofas	Levafas Diamond	Combinex	Fasimec	Mebadown Super
								Round worm and lung wirm (short acting)					
								Round worm, lung worm and ectoparasites					
								Round worm, lung worm and fluke (RESISTENCE RECORDED)					
								Round worm, lung worm and fluke (Incl IMMATURES)					
								Round worm, lung worm and f;uke (DIFFERENT FLUKICIDE)					
								Round worm lung worm and fluke (no resistance)					
								Specifiic Flukicides some action on some worms					
								Specfic flukicides RESISTANCE RECORDED					
								Round worm, lungworm not fluke					

Benzimidazoles; method of action inhibits the parasites microtubular structure preventing energy uptake → parasite dies (N.B fenbendazole is ineffective against fluke; albendazole, mebendazole and triclabendazole are effective in treating fluke)

Levamisole; Method of action inhibits nicotinic receptors which causes paralysis of the parasite (N.B no action against liver fluke)

Macrocyclic Lactones; Method of action is potent paralysis of the pharynx and musculature of nematodes (ivermectins are also effective against ectoparasites; mites lice etc)

Chorsulan; disrupts energy metabolism in adult fluke

Closantel; disrupts energy metabolism in adult fluke and nematode (N.B resistance reported to Haemonchus)

Nitroxynil +Oxyclozanide; disrupts oxidative phosphorylation leading to death for adult and late immature fluke.