

GUIDE TO RESPONSIBLE USE OF ANTHELMINTICS IN DAIRY COWS



Anthelmintics are medicine products that can be used on animals to control parasites.

Milk contaminated with antibiotics, anthelmintics or other chemical residues is not fit for human consumption.

To ensure the safety of the food ingredients, suppliers must ensure that milk is free from chemical residues at all times.

Milk suppliers to GII are regularly sampled throughout the year to verify that there are no anthelmintic residues in milk.

This guide lists the anthelmintic products currently licensed for sale in Ireland. It indicates which products are not suitable for dairy cows and lists the withholding period that must be observed for those that may be used.

While every attempt has been made to ensure the accuracy of this listing - each product label must be checked directly before use, in case of changes in licensing or usage requirements. (List compiled June 2017).

Please consult directly with your local vet for further advice on responsible use of anthelmintics in your herd.

GUIDE TO USING THE ANTHELMINTIC LIST

RED

These products must not be used in dairy cows, including during the dry period.

Some of these products are also not to be used in pregnant dairy heifers – always read the label.

ORANGE

These products may be used in dairy cows, but only during the dry period and the long withhold periods must be observed.

YELLOW

These products may be used in lactating dairy cows or in-calf heifers, but withhold periods must be observed.

GREEN

These products can be used in dairy cows and heifers with no milk withhold period required.

FOOD SAFETY

ANTHELMINTIC TREATMENTS DURING THE DRY PERIOD

A number of the anthelmintic products licensed for use in dairy animals are only permitted to be used in the dry period. Of particular importance are the Ivermectin products that may be used to control worms and lice. Ivermectin products require the cow to be dried off for at least 60 days i.e. eight and a half weeks. If the dry period is expected to be shorter than this, ivermectin products must not be used.

NOTE: Ivomec Super/Animec Super is not licensed for use in dairy animals at any stage of production.

FRESHLY CALVED COWS

Following calving, and before allowing any cow's milk into the tank, it is important to check that the milk withholding periods for all antibiotic AND anthelmintic treatments have expired.

Some anthelmintic products for use in the dry period have withhold times in excess of two months. This will be critical to take into account when deciding if a product is suitable for usage in your cows if they are expected to have shorter dry periods than this.

If you are breeding cows to short gestation length bulls, ensure you double check that the full withhold period for all anthelmintic and antibiotic products has been observed before putting milk into the bulk tank.

Always aim to ensure milk from your farm has zero residues - the safety of food products depend on this.

RECORDING OF ANIMAL TREATMENTS

Care must be taken when administering antibiotics, anthelmintics and other animal remedies so that all cows are correctly identified, marked as necessary and treatments are recorded. Good records will assist in calculating when milk is safe to go back into the bulk tank.

Animal Remedies Usage Records

Date of Administration	Name and Quantity of Animal Remedy Administered per Animal		Identity of Animal given Remedy (including the ear tag no. or a clear reference to it). State Number of Animals if Batch Treatment	*Date of End of Withdrawal Period (if any)		Name of Person Administering the Remedy	Name of Prescribing Veterinary Surgeon (if applicable)	Condition Treated (Optional)
	Remedy Name	Quantity		Meat	Milk			
151 12/12/2016	CEPRAVIN DC	4 TUBES	ALL LACTATING COWS 2016	22/12/16	24/1/17	FARMER NAME	VET NAME	DRY COW THERAPY
152 1/12/2016	NORMECTIN PD	60mls	ALL dried off COWS	22/12/16	26/1/17	FARMER NAME	—	WORMS + LICE
153 1/12/2016	FASINEX 240	30mls	ALL dried off COWS	26/1/16	7/1/17	FARMER NAME	—	FLUKE DRENCH
154 2/12/2016	NORMECTIN PD	25mls	CALVES of 2016	22/12/16	—	FARMER NAME	—	WORMS + LICE
155 2/12/2016	TRODAX Inj	8mls	CALVES of 2016	22/1/16	—	FARMER NAME	—	FLUKE
156 2/12/2016	NORMECTIN PD	55mls	YEARLINGS of 2015	22/12/16	—	FARMER NAME	—	WORMS + LICE
157 2/12/2016	FASINEX 240	25mls	YEARLINGS of 2015	22/1/16	8/1/17	FARMER NAME	—	FLUKE
158 10/12/2016	CORONA ROTAVAC	5mls	all pregnant heifers & cows	0	0	FARMER NAME	VET NAME	ROTA VIRUS
159 3/1/17	Spotinor	10ml	ALL STOCK	20/1/17	0	FARMER NAME	—	LICE
160 3/1/17	RISPOVAL IBR	2ml	ALL STOCK	0	0	FARMER NAME	VET NAME	IBR
161 14/2/17	SPIROVAC	2mls	2016 YEARLING	0	0	FARMER NAME	VET NAME	Leptospirosis
162 17/3/17	SPIROVAC	2mls	ALL STOCK	0	0	FARMER NAME	VET NAME	Leptospirosis
163 17/4/17	TRIBOVAC 10	2mls	ALL 2017 CALVES	0	0	FARMER NAME	VET NAME	CLOSTRIDIA DISEASE
164 17/4/17	BIMECTIN P.O	15mls	ALL 2017 CALVES	12/6/17	—	FARMER NAME	—	WORMS
165 17/5/17	TRIBOVAX 10	2mls	ALL CALVES 2017	0	0	FARMER NAME	VET NAME	CLOSTRIDIA DISEASE

*Note: Please insert the date of the end of withdrawal and not the length of the withdrawal period (e.g. insert 21/08/2017 and not 28 days).

RED

These must not be used in dairy cows, including during the dry period. Some of these products are also not to be used in pregnant dairy heifers – always read the label. Product labels should always be checked directly before use for any changes to licensing or usage requirements. (List compiled June 2017).

TRADE NAME	ACTIVE INGREDIENT	LICENSE
ANIMEC SUPER INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers
BAYCOX BOVIS ORAL	TOLTRAZURIL	Calves only
BAYCOX MULTI ORAL	TOLTRAZURIL	Calves only
BIMECTIN PLUS INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers
BOVICOX ORAL	TOLTRAZURIL	Calves only
CHAN BROAD SPEC ORAL	RAFOXANIDE & LEVAMISOLE	Not for use in dairy cows or pregnant dairy heifers
CHANAVERM PLUS ORAL	LEVAMISOLE	Not for use in dairy cows
CHANECTIN INJ	IVERMECTIN	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
CLOSAMECTIN INJ	IVERMECTIN & CLOSANTEL	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
CLOSAMECTIN PO	IVERMECTIN & CLOSANTEL	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
CLOSIVER INJ	IVERMECTIN & CLOSANTEL	Not for use in dairy cows Not for use in heifers during last 60 days of pregnancy
CLOSIVET PO	IVERMECTIN & CLOSANTEL	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
COMBIFLUKE ORAL	OXFENDAZOLE & CLOSANTEL	Sheep only
COXX-KURE ORAL	TOLTRAZURIL	Calves only
CURAFLUKE ORAL	FENBENDAZOLE & RAFOXINIDE	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
CYDECTIN TRICLAMOX PO	MOXIDECTIN & TRICLABENDAZOLE	Not for use in dairy cows or dairy heifers
DUOTECH ORAL	OXFENDAZOLE & CLOSANTEL	Sheep only
DUPHALEVASOLE INJ	LEVAMISOLE	Not for use in dairy cows
ENDEX ORAL	TRICLABENDAZOLE & LEVAMISOLE	Not for use in dairy cows or pregnant dairy heifers
FASINEX 10% ORAL	TRICLABENDAZOLE	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
FASINEX SUPER ORAL	LEVAMISOLE & TRICLABENDAZOLE	Not for use in dairy cows or pregnant dairy heifers
FENAFLUKE ORAL	FENBENDAZOLE & RAFOXINIDE	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
FENBEN ORAL	FENBENDAZOLE	Not for use in dairy cows
FLUKIVER BOVIS INJ	CLOSANTEL	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
FLUKIVER COMBI ORAL	CLOSANTEL & MEBENDAZOLE	Sheep only
FLUKIVER INJ	CLOSANTEL	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
FLUKIVER ORAL	CLOSANTEL	Sheep only
IVOMEK SUPER INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers
LEVACIDE DRENCH	LEVAMISOLE	Not for use in dairy cows
LEVACIDE INJ	LEVAMISOLE	Not for use in dairy cows
LEVACIDE PO	LEVAMISOLE	Not for use in dairy cows
LEVAFAS C ORAL	LEVAMISOLE & OXYCLOZANIDE	Not for use in dairy cows
LEVAFAS DIAMOND	LEVAMISOLE & OXYCLOZANIDE	Not for use in dairy cows
LEVAFLUKE ORAL	LEVAMISOLE & RAFOXANIDE	Not for use in dairy cows or pregnant dairy heifers
LEVAPHARM INJ	LEVAMISOLE	Not for use in dairy cows
LEVATUM SUPER INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers
LEVICARE ORAL	LEVAMISOLE	Not for use in dairy cows
MECTAJECT PLUS INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers
ORAFLUKE ORAL	FENBENDAZOLE & RAFOXINIDE	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
PARAFEND PLUS ORAL	OXFENDAZOLE & CLOSANTEL	Sheep only
PARAMECTIN INJ	IVERMECTIN	Not for use in dairy cows Not for use in heifers during last 60 days of pregnancy
PARAMECTIN PO	IVERMECTIN	Not for use in dairy cows Not for use in heifers during last 60 days of pregnancy
PHARMAZAN C ORAL	LEVAMISOLE & OXYCLOZANIDE	Not for use in dairy cows

TRADE NAME	ACTIVE INGREDIENT	LICENSE
RAFAZOLE ORAL	RAFOXANIDE & LEVAMISOLE	Not for use in dairy cows or pregnant dairy heifers
RANIDE ORAL	RAFOXANIDE	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
REPIDOSE BOLUS	OXFENDAZOLE	Not for use in dairy cows or pregnant dairy heifers
RIDACOX ORAL	TOLTRAZURIL	Calves only
RIDAFLUKE ORAL	RAFOXANIDE	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
SOLANTEL ORAL	CLOSANTEL	Sheep only
SUPAVERM ORAL	CLOSANTEL & MEBENDAZOLE	Sheep only
TOPIMEC SUPER INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers
TRIAZOLE ORAL	LEVAMISOLE & RAFOXANIDE	Not for use in dairy cows or pregnant dairy heifers
TRODAX INJ	NITROXINIL	Not for use in dairy cows Not for use in heifers during last trimester of pregnancy
UNIVET MULTIDOSE ORAL	LEVAMISOLE & RAFOXANIDE	Not for use in dairy cows or pregnant dairy heifers
VECOXAN ORAL	DICLAZURIL	Calves only
VERMISOLE INJ	LEVAMISOLE	Not for use in dairy cows
VERMISOLE ORAL	LEVAMISOLE	Not for use in dairy cows
VIRBAMEC SUPER INJ	IVERMECTIN & CLORSULON	Not for use in dairy cows or pregnant dairy heifers

YELLOW

These may be used in lactating dairy cows or in-calf heifers, but withhold periods must be observed. Product labels should always be checked directly before use for any changes to licensing or usage requirements. (List compiled June 2017).

TRADE NAME	ACTIVE INGREDIENT	MILK WITHDRAWAL	MEAT WITHDRAWAL
ALBENCARE ORAL	ALBENDAZOLE	60 hours	14 days
ALBEX ORAL	ALBENDAZOLE	60 hours	14 days
BAYTICOL PO	FLUMETHRIN	10 days	5 days
BOVEX	OXFENDAZOLE	84 hours	14 days
BOVITEC PLUS ORAL	ALBENDAZOLE	60 hours	14 days
BUTOX PO	DELTAMETHRIN	12 hours	18 days
CHANIL ORAL	OXYCLOZANIDE	72 hours	28 days
CURAZOLE ORAL	FENBENDAZOLE	120 hours	28 days
CYDECTIN PO	MOXIDECTIN	6 days	14 days
DISTOCUR ORAL	OXYCLOZANIDE	108 hours	14 days
ENDOSPEC	ALBENDAZOLE	60 hours	14 days
FENBENOR ORAL	FENBENDAZOLE	120 hours	28 days
FENZOL ORAL	FENBENDAZOLE	96 hours	14 days
FLEXIBEN ORAL	ALBENDAZOLE	60 hours	14 days
KEELOGANE ORAL	ALBENDAZOLE	60 hours	14 days
ORAZOLE ORAL	FENBENDAZOLE	120 hours	28 days
OXFENCARE ORAL	OXFENDAZOLE	96 hours	28 days
PANACUR ORAL	FENBENDAZOLE	96 hours	14 days
PANACUR SC ORAL	FENBENDAZOLE	96 hours	14 days
PARAFEND 9.06% ORAL	OXFENDAZOLE	120 hours	14 days
PORON SP PO	PERMETHRIN	6 hours	7 days
RUMENIL ORAL	OXYCLOZANIDE	72 hours	28 days
SPOT-ON CY	CYHALOTHRIN	72 hours	14 days
TAKTIC EMULSION	AMITRAZ	96 hours	4 days
TAURAMOX PO	MOXIDECTIN	6 days	14 days
TRAMAZOLE ORAL	ALBENDAZOLE	60 hours	14 days
VALBAZEN	ALBENDAZOLE	72 hours	14 days
WORMALL ORAL	OXFENDAZOLE	120 hours	14 days
ZANIL ORAL	OXYCLOZANIDE	72 hours	28 days
ZEROFEN ORAL	FENBENDAZOLE	96 hours	14 days

ORANGE

These may be used in lactating dairy cows in **the dry period only** and withhold periods must be observed. Product labels should always be checked directly before use for any changes to licensing or usage requirements. (List compiled June 2017).

TRADE NAME	ACTIVE INGREDIENT	MILK WITHDRAWAL	USAGE	MEAT WITHDRAWAL
ABACARE PO	ABAMECTIN	60 days	Dry Period only	35 days
ABINEX FORTE PO	ABAMECTIN	60 days	Dry Period only	35 days
ACOMECE INJ	IVERMECTIN	60 days	Dry Period only	49 days
ACOMECE PO	IVERMECTIN	60 days	Dry Period only	31 days
ANIMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
ANIMEC PO	IVERMECTIN	60 days	Dry Period only	28 days
ANISEC PO	IVERMECTIN	60 days	Dry Period only	28 days
BIMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
BIMECTIN PO	IVERMECTIN	60 days	Dry Period only	31 days
BOVIMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
BOVIMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
BOVIPOUR PO	IVERMECTIN	60 days	Dry Period only	28 days
CHANECTIN PO	IVERMECTIN	60 days	Dry Period only	28 days
CHANIMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
CHANIMEC PO	IVERMECTIN	60 days	Dry Period only	28 days
CYDECTIN INJ	MOXIDECTIN	60 days	Dry Period only	65 days
CYDECTIN LA INJ	MOXIDECTIN	80 days	Dry Period only	108 days
DECTOMAX INJ	DORAMECTIN	2 months	Dry Period only	70 days
DECTOMAX PO	DORAMECTIN	2 months	Dry Period only	35 days
DORANOR PO	DORAMECTIN	60 days	Dry Period only	35 days
ECOMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
ECOMECTIN PO	IVERMECTIN	60 days	Dry Period only	31 days
ENDECTOMECTIN PO	IVERMECTIN	60 days	Dry Period only	28 days
ENDOFLUKE ORAL	TRICLABENDAZOLE	45 days + 48 hours*	Dry Period only	56 days
ENOVEX INJ	IVERMECTIN	60 days	Dry Period only	49 days
ENOVEX PO	IVERMECTIN	60 days	Dry Period only	28 days
FASIFREE ORAL	TRICLABENDAZOLE	45 days + 48 hours*	Dry Period only	56 days
FASINEX 240 ORAL	TRICLABENDAZOLE	35 days + 48 hours*	Dry Period only	56 days
FATROMECTIN PO	IVERMECTIN	60 days	Dry Period only	31 days
FORTEMEC PO	ABAMECTIN	60 days	Dry Period only	35 days
GENESIS PO	ABAMECTIN	60 days	Dry Period only	35 days
IMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
IMEC PO	IVERMECTIN	60 days	Dry Period only	31 days
IVOMECE CLASSIC INJ	IVERMECTIN	60 days	Dry Period only	49 days
IVOMECE CLASSIC PO	IVERMECTIN	60 days	Dry Period only	15 days
KILO-MEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
KILO-MEC PO	IVERMECTIN	60 days	Dry Period only	31 days
LINEOUT PO	IVERMECTIN	60 days	Dry Period only	31 days
MACROMECTIN PO	IVERMECTIN	60 days	Dry Period only	28 days
MASTERMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
MASTERMECTIN PO	IVERMECTIN	60 days	Dry Period only	31 days
MECTAJECT INJ	IVERMECTIN	60 days	Dry Period only	49 days
MEDIMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
MEDIMEC PO	IVERMECTIN	60 days	Dry Period only	28 days
NORADOR PO	DORAMECTIN	60 days	Dry Period only	35 days
NOROMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
NOROMECTIN PO	IVERMECTIN	60 days	Dry Period only	28 days
PANOMECE INJ	IVERMECTIN	60 days	Dry Period only	49 days
PRIMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
PRIMECTIN PO	IVERMECTIN	60 days	Dry Period only	28 days

*These withdrawal times are for the pre and post calving periods e.g. 45 days + 48 hours means the product must be used at least 45 days before calving, and once calved, the milk must be withheld for 48 hours after calving

ORANGE

These may be used in lactating dairy cows in **the dry period only** and withhold periods must be observed. Product labels should always be checked directly before use for any changes to licensing or usage requirements. (List compiled June 2017).

TRADE NAME	ACTIVE INGREDIENT	MILK WITHDRAWAL	USAGE	MEAT WITHDRAWAL
QUALIMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
QUALIMEC PO	IVERMECTIN	60 days	Dry Period only	28 days
SUMEX INJ	IVERMECTIN	60 days	Dry Period only	49 days
SUMEX PO	IVERMECTIN	60 days	Dry Period only	28 days
TAURADOR PO	DORAMECTIN	60 days	Dry Period only	35 days
TOPIMEC INJ	IVERMECTIN	60 days	Dry Period only	49 days
TOPIMEC PO	IVERMECTIN	60 days	Dry Period only	28 days
TRIBEX ORAL	TRICLABENDAZOLE	41 days + 84 hours*	Dry Period only	56 days
TRICLABEN ORAL	TRICLABENDAZOLE	41 days + 84 hours*	Dry Period only	56 days
TRIMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
TURBOMEK INJ	IVERMECTIN	60 days	Dry Period only	49 days
ULTIMECTIN INJ	IVERMECTIN	60 days	Dry Period only	49 days
ULTIMECTIN PO	IVERMECTIN	60 days	Dry Period only	28 days
VIRBAMEK INJ	IVERMECTIN	60 days	Dry Period only	49 days
VIRBAMEK PO	IVERMECTIN	60 days	Dry Period only	28 days
ZEARL INJ	DORAMECTIN	2 months	Dry Period only	70 days
ZEARL PO	DORAMECTIN	2 months	Dry Period only	35 days

*These withdrawal times are for the pre and post calving periods e.g. 45 days + 48 hours means the product must be used at least 45 days before calving, and once calved, the milk must be withheld for 48 hours after calving

GREEN

These can be used in dairy cows and heifers with **no milk withhold period required**. Product labels should always be checked directly before use for any changes to licensing or usage requirements. (List compiled June 2017).

TRADE NAME	ACTIVE INGREDIENT	MILK WITHDRAWAL	MEAT WITHDRAWAL
CYPERCARE PO	CYPERMETHRIN	Zero milk withhold	10 days
DECTOSPOT PO	DELTAMETHRIN	Zero milk withhold	18 days
DELTADOT PO	DELTAMETHRIN	Zero milk withhold	18 days
DELTANIL PO	DELTAMETHRIN	Zero milk withhold	17 days
ECTOSPEC PO	CYPERMETHRIN	Zero milk withhold	10 days
EPRECIS INJ	EPRINOMECTIN	Zero milk withhold	63 days
EPRECIS PO	EPRINOMECTIN	Zero milk withhold	15 days
EPRINEX PO	EPRINOMECTIN	Zero milk withhold	15 days
EPRIVALAN PO	EPRINOMECTIN	Zero milk withhold	15 days
EPRIZERO PO	EPRINOMECTIN	Zero milk withhold	10 days
FLECTRON FLY TAGS	CYPERMETHRIN	Zero milk withhold	0 days
IMAVEROL EMULSION	ENILCONAZOLE	Zero milk withhold	0 days
INSECINOR SPOT- ON	DELTAMETHRIN	Zero milk withhold	17 days
LICEBAN PO	CYPERMETHRIN	Zero milk withhold	10 days
NEOPRINIL PO	EPRINOMECTIN	Zero milk withhold	15 days
RENEGADE PO	CYPERMETHRIN	Zero milk withhold	14 days
ROBONEX PO	EPRINOMECTIN	Zero milk withhold	10 days
SPOTINOR SPOT-ON	DELTAMETHRIN	Zero milk withhold	17 days
SPOT-ON	DELTAMETHRIN	Zero milk withhold	17 days
UNOMEK PO	EPRINOMECTIN	Zero milk withhold	15 days
ZEROMEKIN PO	EPRINOMECTIN	Zero milk withhold	15 days

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