

Common Goat Medications and "Easy to Understand" Dosages

Wormers

Product	"Vet" Dose	Labeled Dose	Typical Goat Dose	Comments
Valbazen	7.5 mg/kg	3cc/100lbs	5cc/100lbs	Do not use in early pregnancy (if at all); effective vs. tapeworms
Safe-Guard	5 mg/kg	2.3cc/100lbs	5cc/100lbs	Use in goats mostly limited to treating tapeworms; only product in this class safe during pregnancy
Synanthic	4.5mg/kg	2.5cc/100lbs	5cc/100lbs	Do not use in early pregnancy (if at all); effective vs. tapeworms
Ivomec (drench)	0.2 mg/kg	3cc/26lbs	15cc/100lbs	Large volume needed; not shown to be safe during pregnancy
Cydectin (drench)	0.2 mg/kg	1cc/11lbs	12cc/100lbs	Large volume needed; not shown to be safe during pregnancy
Prohibit (drench)	8 mg/kg	4cc/100lbs*	4cc/100lbs*	Can be mixed as a concentrate for adults or diluted for kids; safe for pregnant does
Rumatel (feed)	10 mg/kg	0.1lbs/100lbs	0.1lbs/100lbs	Simple to top-dress on feed
Ivomec/Ivomec Plus (injection)	0.2mg/kg	1cc/110lbs	2cc/100lbs	Inexpensive; safe for pregnant does; resistance is a problem
Dectomax	0.2mg/kg	1cc/110lbs	1cc/110lbs	Safe for pregnant does; less resistance issues than ivomec
Cydectin (cattle pour-on as drench)	0.2mg/kg	1cc/22lbs	5cc/100lbs	More practical than approved drench, but no safety/efficacy studies to support

Antibiotics

Product	Dose	Route	Frequency	Common Uses
Penicillin (long or short)	5cc/100lbs	IM/SQ	24 hours	Pneumonia, skin infections, footrot, mastitis
LA-200	5cc/100lbs	SQ	48 hours	Pneumonia, footrot, pinkeye, retained placenta
Excenel	3cc/100lbs	IM	24 hours	Pneumonia, diarrhea, retained placenta
Nuflor	3cc/100lbs	IM	48 hours	Pneumonia, diarrhea, footrot
Draxxin	1.1cc/100lbs	SQ	1 week	Pneumonia, footrot?

Anti-Inflammatories and Hormones

Product	Dose	Route	Frequency	Common Uses
Banamine	2cc/100lbs	IV/IM	24 hours	Pain, inflammation, fever
Dexamethasone	1cc/100lbs	IM/SQ/IV	24 hours	Pain, inflammation, attitude/appetite, induction of labor (requires 3X dose--not safe for pregnant does)
Predef-2X	1cc/100lbs	IM/SQ	24 hours	Pain, inflammation, attitude/appetite; not safe for pregnant does
Oxytocin	0.25 - 0.5cc/100 lbs	IM	usually a single dose	Uterine contractions associated with kidding; to assist with replacing uterine prolapse; milk letdown (0.25cc/doe)
Lutalyse	2cc/adult	IM	may repeat in 12-14 days	Mis-mating (early abortion); not effective at estrus synchronization
Epinephrine	1cc/100lbs	IM/SQ	single dose	Anaphylactic reactions to vaccinations, etc; may aid in relaxation of cervix during kidding

Injectable Vitamins and Minerals

Product	Dose	Route	Frequency	Common Uses
Vitamin B Complex	5cc/100lbs	IM, IV, SQ	24 hours	Supplement for sick animals; polio treatment if Thiamine is not available
Thiamine	2.5cc/100lbs	IM, IV, SQ	8-12 hours	Polio
Vitamin E 300 (alone or in combination i.e. Vit. A,D,E)	5cc/100lbs	SQ	Usually a single injection	White muscle disease; weak kids
BoSe	3cc/100lbs	SQ	Single injection	White muscle disease; weak kids

Oral Treatments

Product	Dose	Frequency	Common Uses
Propylene Glycol	3-4 oz/adult doe	Once/day for 3 days	Pregnancy toxemia; oral energy supplement
Mineral Oil	1 pint/100lbs	Repeat in 2 days if needed	Rumen bloat; laxative

Please refer to "A Guide to Drug Usage in Goats" by Dawson for warnings regarding extra-label drug use and its effects on slaughter withdrawal, etc. and prescription drug useage

Efficacy of Anthelmintics Against Major Internal Parasites of Sheep and Goats

Drug	Trade Name (Ex.)	Dose (mg/kg PO)	Hemonchus (barber-pole)	Ostertagia	Trichostrongylus	Cooperia	Nematodirus	Bunostomum	Strongyloides	Chabertia	Monezia ⁺ (tapeworm)
Albendazole	Valbazen	10	99-100	97-100	99-100	99-100	99-100	-	-	100	100
Febantel	Rintal	5	95-100	95-100	95-100	-	95-100	95-100	95-100	-	-
Fenbendazole	SafeGuard, Panacur	10*	95-100	95-100	95-100	95-100	95-100	95-100	-	80-100	85-95
Ivermectin	Ivomec (Dectomax is closely related)	0.2 SC	95-100	95-100	95-100	95-100	95-100	-	95-100	95-100	-
Moxidectin	Cydectin	0.3**	99-100	99-100	95-100	99-100	99-100	-	-	-	-
Levamisole	Levasole, Tramisole, Prohibit	7.5 (5 SC)	95-100	95-100	95-100	95-100	95-100	95-100	60-85	95-100	-
Morantel	Rumatel	10	95-100	95-100	95-100	95-100	95-100	-	-	95-100	-
Oxfendazole	Synanthic	5	95-100	95-100	95-100	95-100	95-100	-	-	95-100	85-100
Oxibendazole	Anthelcide	10	95-100	95-100	0-100	95-100	95-100	95-100	95-100	95-100	95-100
Pyrantel	Strongid	25	95-100	-	0-100	-	95-100	-	-	-	-
Thiabendazole	Omnizole, TBZ	44	95-100	95-100	95-100	-	8-100	60-85	65-85	95-100	-

Source: Veterinary Parasitology Reference Manual, 4th Ed; Foyert, 1997

* The labeled dose for fenbendazole products is 5mg/kg. Using twice the labeled dose is recommended in goats for routine worming. Using three times the labeled dose is recommended for treating tapworm infections. Exceeding the labeled dose will result in extended drug residues.

** The labeled dose for moxidectin is 0.2 mg/kg. The manufacturer recommends using 1.5 x the labeled dose of the sheep drench for goats. See residue warnings associated with fenbendazole. Moxidectin was not included in the original table in the above reference.

⁺ The recommended doses of various drugs to treat tapeworm infections are often 2-3x the labeled dose, resulting in extended withdrawal periods