

A photograph of several calves in a metal pen. The calves are white with brown patches on their heads and ears. They are looking out from behind the metal bars of the pen. The lighting is warm, suggesting a sunset or sunrise. The pen is made of dark metal bars.

Fall and winter parasite control guide

Get proven parasite control
with Elanco products

Right for cattle. Right by you.

Elanco

TM

Deworming matters.

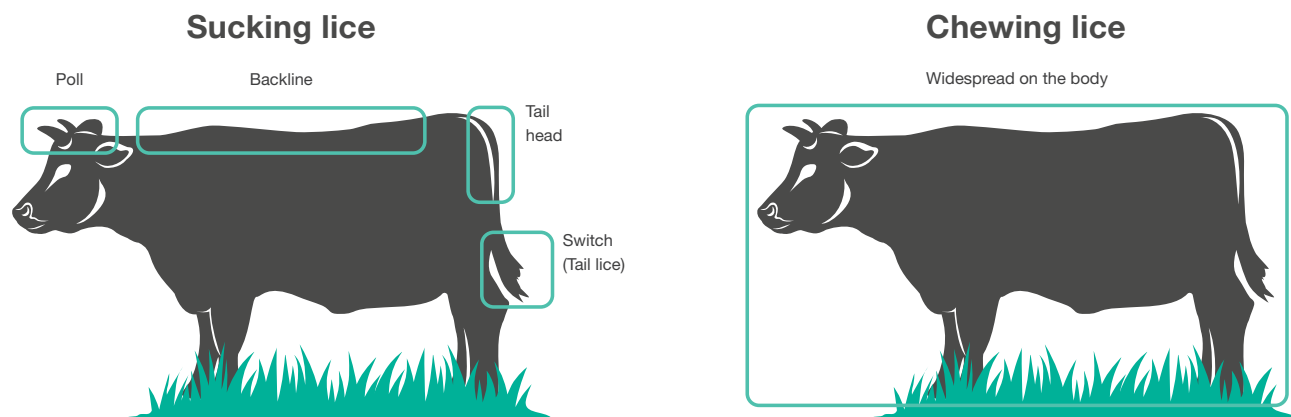
Cattle are exposed to internal parasites during much of the grazing season which, depending on the region, can be most impactful during winter and spring in the south and summer and fall in the north. These parasites impact cattle performance through appetite suppression, compromised digestion and absorption, and nutrient loss, resulting in decreased weight gain, reduced milk production, lowered reproductive performance and increased disease susceptibility.^{1,2} This often goes undetected due to subclinical infection, when symptoms may not be noticeable, but the financial impact is substantial. That's why having a consistent deworming protocol is important.

When temperatures dive, lice thrive.

Most cattle come through summer lice free with only a few carriers reinfesting the herd. As temperatures drop, lice become more active, which accelerates this process. To kill both chewing and sucking lice effectively, the lice must come in contact with the product, so it is critical to wait until temperatures are consistently cold enough for lice to migrate from their summer locations in the flanks and axilla of cattle up onto the back where the product is applied. Typically, this timing correlates with animals "hairing-up." If animals start showing early signs of lice such as rubbing on gates and fences with the onset of winter, it is definitely time to treat. For an effective kill, it is better to treat a little too late than a little too early.

Treatment protocols will depend on where you live and seasonal variation. When a product with an IGR is properly applied at the right time to the entire herd, it kills both the adult lice and eggs, breaking the life cycle of lice and providing season-long protection. This can also be accomplished by using products that kill adult lice only (no IGR), twice to the entire herd, three weeks apart. However, this is far more time and labor intensive than a one-time treatment protocol.

To help tackle lice infestations it is important to establish a treatment plan that maximizes the impact of your efforts. Elanco suggests the following treatment opportunities to control both internal and external parasites for your herd during the winter months.



Cow / Calf**One-treatment option**

When	Early winter	
To control	Internal parasites	Lice
Product to use	Cyductin (moxidectin) Injectable or Pour-On	Clean-Up II Pour-On

Other treatment options

When	Fall (September – December)		Winter (December – February)
To control	Internal parasites	First treatment for lice	Second treatment for lice
Product to use	Cyductin (moxidectin) Injectable Cyductin Pour-On	Permethrin CDS Pour-On** CyLence Pour-On** Clean-Up II Pour-On† Cyductin Pour-On‡	Clean-Up II Pour-On

Feedlot / Stocker**One-treatment option**

When	Winter (December – March)	
To control	Internal parasites	Lice
Product to use	Cyductin (moxidectin) Injectable	Clean-Up II Pour-On

Other treatment options

When	Fall On-arrival (September – November)		Winter (December – March)
To control	Internal parasites First treatment for lice	First treatment for lice	Second treatment for lice
Product to use	Cyductin (moxidectin) Injectable Cyductin Pour-On	Permethrin CDS Pour-On** CyLence Pour-On** Clean-Up II Pour-On† Cyductin Pour-On‡	Clean-Up II Pour-On

**If used twice, three weeks apart, a second treatment may not be necessary.

†If applied properly when lice are active, a second dose may not be necessary.

‡If used for deworming.

Elanco parasite control portfolio**Clean-Up II**
Pour-On Insecticide with IGR**Permethrin® CDS**
Pour-On Insecticide**CyLence®**
Pour-On Insecticide**CYDECTIN®**
(moxidectin) Injectable**CYDECTIN®**
(moxidectin) Pour-On

Cattle type:



Beef



Dairy



Non-Lactating Dairy Only

Clean-Up™ II

Pour-On Insecticide with IGR



Clean-Up™ II Pour-On Insecticide with IGR

- Kills cattle ticks and both chewing and sucking lice on all classes of beef and dairy cattle with no meat or milk withholding.
- First and only pioneer insecticide pour-on with permethrin and an added insect growth regulator (IGR), diflubenzuron, that kills both the adults and lice eggs before they hatch.
- Single application kills biting and sucking lice and their eggs.
- Manufactured in the U.S. by Elanco Animal Health.

Permethrin® CDS

Pour-On Insecticide



Permethrin® CDS Pour-On Insecticide

- Use in the fall for control of late-season horn flies, face flies and ticks.
- Great for first lice control application in the fall. Can also be used in the winter for a second lice control application.
- Ready-to-use solution – no dilution necessary.

CyLence®

Pour-On Insecticide



CyLence® Pour-On Insecticide

- A higher dose, more flowable alternative for treatment of late-season flies.
- Great for fall and winter treatment of chewing and sucking lice in a two-treatment protocol.
- Ready-to-use solution – no mixing required.

CYDECTIN®

(moxidectin) Injectable



CYDECTIN®

(moxidectin) Pour-On



Cydectin® (moxidectin) Injectable & Pour-On*

- Best-in-class choice for the control of internal parasites with the least observed resistance.³
- Effective on multiple species of external parasites and fits well as one of two treatments in a two-treatment lice protocol.
- No meat or milk withholding for Cydectin Pour-On.
- Treat anytime, rain or shine, with a weatherproof formulation.

Keep Cydectin out of reach of children.

Learn more at CydectinBeef.com and CleanUp2.com

For further information or to purchase from your local retailer,
please contact your Elanco representative or call 800-428-4441.



The Elanco logo is displayed in white text on a blue, parallelogram-shaped background. A small 'TM' trademark symbol is located to the right of the logo.

ElancoTM

***IMPORTANT SAFETY INFORMATION:**

Cydectin Pour-On: When used according to label directions, neither a pre-slaughter withdrawal period nor a milk discard time is required. Do not use in calves to be processed for veal. For external use only. Do not apply to areas of skin with mange scabs, skin lesions, mud or manure. Cydectin Pour-On is not recommended for use in species other than cattle.

Cydectin Injectable: Cattle must not be slaughtered for human consumption within 21 days of treatment. This drug is not approved for use in female dairy cattle 20 months of age or older, including dry dairy cows. Use in these cattle may cause drug residues in milk and/or in calves born to these cows. A withdrawal period has not been established for prerinuating calves. Do not use in calves to be processed for veal.

¹ Gadberry, S., Powell, J. 2019 "Internal parasites in beef and dairy cattle." University of Arkansas Division of Agriculture Cooperative Extension Service website. Available at: <https://www.uaex.uada.edu/publications/pdf/FSA-3045.pdf>. Accessed July 26, 2022.

² Smith, R., Rogers, K., Huse, S., et al. 2000. "Pasture deworming and (or) subsequent feedlot deworming with fenbendazole and its effects on grazing performance, feedlot performance and carcass traits of yearling steers." Bovine Practitioner. Available at: <https://bovine-ojs-tamu.tdl.org/bovine/index.php/bovine/article/view/1633>. 34(2):104-114. Accessed August 4, 2022.

³ Yazwinski, T., Tucker, C., Powell, J., Beck, P., Wray, E., Jones, L., Koltes, J., Hernandez, C. 2017. "A fecal egg count reduction test evaluating macrocyclic lactones using cattle treated 118 days earlier with saline, albendazole in combination with doramectin, or an extended-release formulation of eprinomectin." Department of Animal Science, University of Arkansas. Available at: <https://journals.tdl.org/bovine/index.php/bovine/article/view/136> Accessed July 26, 2022.

Keep Cydectin Out of Reach of Children.

Clean-Up, Cydectin, CyLence, Permetrin, Elanco and the diagonal bar logo are trademarks of Elanco or its affiliates. ©2022 Elanco or its affiliates. 22-ELA-1476. PM-US-22-1662.