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FDA-AUTHORIZED, CONDITIONALLY APPROVED & EPA-REGISTERED

ANIMAL DRUGS FOR NEW WORLD SCREWWORM

This brochure provides an overview of FDA-authorized, conditionally approved and EPA-registered treatment tools that may be used in response to New World screwworm (NWS). It is intended for New Mexico livestock producers, veterinarians and pet owners. FDA regulates animal drugs used to treat or prevent disease, while EPA regulates insecticides and pesticides used to control pests such as flies and parasites on animals or in their environment.

FDA EMERGENCY USE AUTHORIZED (EUA) DRUGS

Active Ingredient (Brand name)	Indication/Species	Veterinarian Fact Sheet and Freedom of Information (FOI) Summary
Afoxolaner *(NexGard chewable tablets)*	**Treats NWS** in dogs and puppies	Fact sheet FOI
Benzalkonium chloride + PHMB + cypermethrin *(F10 Antiseptic Barrier Ointment with insecticide OTC, F10 Antiseptic Wound Spray with insecticide OTC)*	**Prevents and treats NWS** in cattle, horses, sheep, goats, wild and pet birds, captive wild and exotic mammals	Fact sheet FOI – F10 Antiseptic Barrier Ointment with Insecticide FOI – F10 Antiseptic Wound Spray with Insecticide
Bravecto *(fluralaner)* *Chewable tablets*	**Treats NWS** in dogs and puppies	FOI Fact sheet
Coumaphos + propoxur + sulfanilamide *(Negasunt Powder)*	**Prevents and treats NWS** in cattle, swine, goats, sheep, horses, donkeys, domestic hybrid equids and captive wild, exotic and zoo mammals	Fact sheet FOI
Dicyclanil *(CliK Extra)*	**Prevents NWS** in sheep, cattle, goats, swine, camelids, wildlife, American bison, bighorn sheep, and Sonoran pronghorn	Fact sheet FOI
Doramectin injection *(Dectomax/Dectomax-CA1)*	**Prevents and treats NWS** in dairy cattle *(lactating, dry, and replacement heifers 20 months of age or older)* Not for calves processed for veal. Also prevents NWS in swine, horses at least one year old, deer, and sheep *(not lactating).*	Fact sheet FOI
Esafoxolaner + eprinomectin + praziquantel *(NexGard COMBO topical solution)*	**Prevents NWS** in cattle, in horses *(short-term)*	Fact sheet FOI
Ivermectin *(Ivomec injectable solution OTC, Bimectin injection, Ivermectin Oral Liquid for Horses)*	**Prevents NWS** in cattle, in horses *(short-term)*	Fact sheet FOI – Ivomec Injectable Solution FOI – Bimectin Injection FOI – Ivermectin Oral Liquid for Horses
Lotilaner *(Credelio® chewable tablets, Credelio® CAT chewable tablets)*	**Treats NWS** in dogs and puppies, cats and kittens	Fact sheet FOI – Credelio FOI – Credelio CAT
Nitenpyram *(Nitenpyram tablets, Capstar tablets)*	**Treats NWS** in dogs, puppies, cats and kittens	Fact sheet FOI – Nitenpyram tablets FOI – Capstar tablets
Salolaner, moxidectin, and pyrantel *(Simparica TRIO chewable tablets)*	**Treats NWS** in dogs and puppies	Fact sheet FOI

IMPORTANT NOTES

- Negasunt Powder distribution is limited to USDA for further distribution to authorized users. Before a New World screwworm incursion into the U.S., it is restricted to use by federal, state, local and federally recognized tribal agency employees, and those operating under their authority and direction. In the event of an NWS incursion, use is also permitted by or under the order of a licensed veterinarian in NWS-infested and adjacent surveillance zones as defined by the USDA NWS Response Playbook (page 9).
- NexGard and NexGard COMBO are in the isoxazoline class of animal drugs. See FDA's Fact Sheet for Pet Owners and Veterinarians about Potential Adverse Events with Isoxazoline Flea and Tick Products.

FDA CONDITIONALLY-APPROVED DRUGS
("CA1" in the product name indicates Conditional Approval)

Active Ingredient (Brand name)	Indication/Species	Freedom of Information Summary
Doramectin injection *(Dectomax-CA1 (OTC)*	**Treats NWS**, including reinfestation prevention, in cattle	FOI
Fluralaner topical solution *(Exzolt™ Cattle-CA1 prescription)*	**Treats NWS and controls** cattle fever tick *(Rhipicephalus microplus)* in beef cattle two months of age and older and replacement dairy heifers less than 20 months of age.	FOI
Combination oral parasiticide (*Credelio® Quattro-CA1)*	For use in dogs and puppies	FOI

IMPORTANT NOTES

- Extra-label use of Exzolt™ Cattle-CA1 is not permitted.
- Always follow label directions and veterinary guidance.
- Veterinarians are encouraged to review FDA's "Conditional Approval Explained: A Resource for Veterinarians."

EPA-REGISTERED TREATMENTS & INSECTICIDES

EPA-registered insecticides may be used as part of an integrated response to New World screwworm infestations, including fly control, premise treatment, environmental management and wound treatment support.

EXAMPLES OF EPA-REGISTERED ACTIVE INGREDIENTS

Active Ingredient / Product Type	Common Uses	Effective Time	Withdrawal Time
Permethrin Insecticide (OTC) *Includes:* • *Catron IV* • *Eradicator II* • *CT residual Spray/Prozap Screw Worm Aerosol* • *Claire Bed Bug, Lice and Dust Mite Spray* • *PRAMEX* • *887 Multi-Use Insecticide Spray* • *Permethrin 10 EWC/Martins Permethrin 10%*	Topical livestock sprays, premise sprays, aerosols, fly-control products	• 1-7 days (Catron IV) • 1-7 days (Eradicator II) • 7-14 days (Prozap) • Reapply daily (Claire) • 1-7 days/dependent on weather (PRAMEX) • 1-7 days (887 Multi-Use) • 1-14 days (Permethrin 10 EWC)	Not listed *Note: Claire Bed Bug, Lice and Dust Mite Spray is not established for food animals.*

EXAMPLES OF EPA-REGISTERED ACTIVE INGREDIENTS

Active Ingredient / Product Type	Common Uses	Effective Time	Withdrawal Time
Coumaphos (prescription) *For distribution and use only within New Mexico: Co-Ral® Fly and Tick Spray (6.15% Coumaphos; FIFRA Section 2(ee) Recommendation)*	Topical wound treatment support, livestock insecticides	7-15 days	14 days
Coumaphos + Propoxur (Tanidil; restricted use)	Topical wound treatment support	7-14 days	Varies by emergency label
Zeta-Cypermethrin (professional use) *Includes:* • *F6570 EW Master Insecticide* • *F6578 EW Insecticide (indoor use)* • *EP 152 EQ Insecticide (outdoor use)*	Topical environment/structure spray	Weeks	Not listed
Pyrethrins + Piperonyl Butoxide (OTC) *Includes: ULD BP-50 insecticide, ECTO B715*	Topical wound treatment support	1-7 days	Not listed
Esfenvalerate + Prallethrin + Piperonyl Butoxide (Pestie Home Barrier E1) (OTC)	Topical environment/structure spray	Weeks	Not listed
Acetamiprid (F7180-13 insecticide) (professional use)	Topical environment/structure spray	Weeks	Not listed
Deltamethrin (DeltaGuard Fly Insecticide) (professional use)	Topical environment/structure spray	Weeks	Not listed
Malathion (Fyfanon ULV AG.; restricted use)	Topical crop spray	1-7 days	14 days

Always follow EPA-approved label directions, species restrictions, withdrawal times and veterinary guidance when using insecticides. An EPA "restricted use" product may only be purchased and applied by a certified or licensed applicator due to higher risk or toxicity. An EPA "professional use" product may be purchased over the counter, but the label assumes professional knowledge and handling practices.

RESPONSIBLE USE

Overuse or misuse of antiparasitic drugs can contribute to reduced effectiveness and resistance. These products should be used cautiously and only as part of a broader parasite control strategy that includes vigilant wound care, surveillance, rapid reporting and biosecurity measures.

NOTES FOR PRODUCERS, PET OWNERS & LANDOWNERS

- Inspect animals frequently and provide prompt wound care.
- Report suspected NWS cases immediately.
- Work with your veterinarian to determine when and how drug tools may be appropriate.
- Remember: Drugs support response efforts but do not replace prevention or reporting.

REPORTING & ADDITIONAL INFORMATION

Suspected cases of New World screwworm should be reported immediately to the New Mexico Livestock Board at 505-841-6161 or through the New Mexico Department of Agriculture reporting form.

Additional resources:

- FDA Regulation of Animal Drugs webpage
- FDA Emergency Use Authorization webpage
- FDA New World Screwworm: Information for Veterinarians webpage

NMDA is coordinating with USDA-APHIS, New Mexico Department of Wildlife, New Mexico Department of Health, the New Mexico Livestock Board and NMSU Cooperative Extension Service to raise awareness, increase surveillance, and be prepared for rapid response.