Pesticides for Control of New World Screwworm (*Cochliomyia hominivorax*)

Revised April 2026

This document is meant to identify pesticides that may be used against New World screwworm (*C. hominivorax*). New World screwworm is a species of blow fly (family Calliphoridae) whose larvae infest and feed on the living flesh of warm-blooded animals, which is called primary myiasis.

In the United States, pesticides are registered by the U.S. Environmental Protection Agency (EPA) under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) or are exempt from the requirement for registration under FIFRA Section 25(b).

The inclusion of any product in this document does not imply endorsement of the product by the U.S. Department of Agriculture (USDA). Users are responsible for ensuring their product's container label allows for their intended use and application methods.

Pesticides Registered for Control of Screwworm

Several pesticides are currently registered for use against screwworm (adult flies and/or larvae), which means these products met EPA's efficacy data requirements for screwworm under 40 CFR 158.1748:

Product Name*	EPA Registration Number	Registrant	Active Ingredient(s)	Use Site(s)
Claire® Bed Bug, Lice and Dust Mite Spray *Alternate brand name:* Claire® Lice Killer	706-110	PLZ Corp	Permethrin	Beef cattle, horses, sheep
PRAMEX® Multi-Use Insecticide Spray 30231	1021-2685	McLaughlin Gormley King Company, D/B/A MGK®	Permethrin	Beef cattle, horses, sheep
887 Multi-Use Insecticide Spray	10900-86	Sherwin-Williams Consumer Brands Group	Permethrin	Beef cattle, horses, sheep
Co-Ral® Coumaphos Flowable Insecticide	11556-98	Elanco US, Inc.	Coumaphos	Beef cattle, non-lactating dairy cattle, horses
Permethrin Insecticide Spray Alternate brand name: Catron® IV	11556-171	Elanco US, Inc.	Permethrin	Beef cattle, dairy cattle, sheep, goats, hogs, and horses
Eradicator II Multi-Purpose Insect Spray *Alternate brand names:* Clobber Lice, Dust Mite & Bedbug Multi-Purpose Insect Spray Raider Bed Bug, Lice and Dust Mite Multi-Purpose Insect Killer	44446-80	QuestSpecialty Corporation	Permethrin	Beef cattle, horses, sheep
CT Residual Spray *Alternate brand names:* Prozap® Screw Worm Aerosol Prozap® Screw Worm Ear Tick Aerosol	47000-100	Chem-Tech, Ltd.	Permethrin	Beef cattle, dairy cattle, horses, sheep, goats, swine
Bull Run Fly Attractant *Alternate brand names:* Bull Run Large Fly Trap	84565-2	Bull Run Scientific, VBT	Sucrose Indole Yeast	Trap attractant

Product Name*	EPA Registration Number	Registrant	Active Ingredient(s)	Use Site(s)
Bull Run Large Fly Trap Attractant Bull Run Large Fly Trap Refill Bull Run Medium Fly Trap Bull Run Medium Fly Trap Attractant Bull Run Medium Fly Trap Refill Bull Run Outdoor Large Fly Trap Bull Run Outdoor Medium Fly Trap Bull Run Small Fly Trap Bull Run Small Fly Trap Attractant Bull Run Small Fly Trap Refill			Egg solids Trimethylamine	
Fly Attractant-1 *Alternate brand names:* Disposable Big Bag Fly Trap-1 Disposable Fly Trap-1 Fly Trap Attractant-1 Large Fly Trap Attractant-1 POP Fly Trap Attractant-1	84565-8	Bull Run Scientific, VBT	Sucrose Indole Yeast Egg solids Trimethylamine	Trap attractant
Fyfanon® ULV AG *Alternate brand name:* Fyfanon® ULV Ag Insecticide	279-3540	FMC Corporation	Malathion	Pasture and rangeland
F6570 EW Master Insecticide	101563-304	Environmental Science U.S., LLC	Zeta-Cypermethrin	Around structures, lawns
F6578 EW Insecticide	101562-306 (transferred from 279-3349)	Environmental Science U.S., LLC	Zeta-Cypermethrin	Indoor areas
EP152 EW Insecticide	101563-358	Environmental Science U.S., LLC	Zeta-Cypermethrin	Outside surfaces of buildings, perimeter treatments, lawns

* The Section 3 product list was obtained from EPA's database Active Pesticide Product Registration Informational Listing (APPRIL) and may not be complete. This list does not include supplemental distributor products and the distributor product names.

An additional wound treatment product has a Section 18 emergency exemption for use against screwworm:

Product Name	Section 18 Exemption Numbers	Requesting agency	Active Ingredients	Use Site(s)
Tanidil™ (Section 18 label)	26DA01 and 26DA02	USDA Animal and Plant Health Inspection Service	Coumaphos Propoxur	Cattle, swine, goats, sheep, horses, other domestic ungulates, captive and temporarily captured wild and exotic ungulates and canids

Other Pesticides That May Have Utility Against Screwworm

FIFRA section 2(ee) allows a user to apply "a pesticide against any target pest not specified on the labeling if the application is to the crop, animal, or site specified on the labeling, unless the Administrator has required that the labeling specifically state that the pesticide may be used only for the pests specified on the labeling after the Administrator has determined that the use of the pesticide against other pests would cause an unreasonable adverse effect on the environment" (7 USC 136(ee)). In addition, all other requirements in FIFRA section 2(ee) and the label must be met. States may further restrict the use of pesticides under FIFRA section 2(ee). For example, a state could ban the use of a product on target species that are not listed on the label. For additional information on the use of pesticides under FIFRA section 2(ee): https://www.epa.gov/pesticide-labels/pesticide-labeling-questions-answers#exception.

There are many products currently registered for control of other blow fly species in the family Calliphoridae, which means these products met EPA's efficacy data requirements for blow flies under 40 CFR 158.1752. Many blow flies can cause secondary myiasis. The efficacy of these products against New World screwworm is unknown; however, these products may have utility as part of an integrated pest management program.

Several example products containing different active ingredients that are registered for controlling blow flies on livestock or on environmental surfaces in and around animal areas are listed in the table below. The full list of products registered for controlling, trapping, and repelling blow flies may be found using EPA's APPRIL database: https://ordspub.epa.gov/ords/pesticides/f?p=APPRIL_PUBLIC:2:::::.

If the use against additional target pests is not prohibited on the label or by state regulations, companies may recommend their registered pesticides for use against New World screwworm with FIFRA section 2(ee) recommendations or bulletins. For example, additional products registered for other flies and other invertebrate pests may have utility against New World screwworm.

USDA is not recommending or endorsing the use of any specific product for the control of New World screwworm under FIFRA section 2(ee). Users are responsible for ensuring their product's container label and state regulations allows for their intended use and application methods under FIFRA section 2(ee).

Examples of federally registered products labeled for control of blow flies:

Product Name*	EPA Registration Number	Registrant	Active Ingredient(s)	Use Site(s)
ULD® BP-50 Insecticide *Alternate brand name:* ULD® BP-50 Contact Insecticide Formula 1	1021-2836	McLaughlin Gormley King Company, D/B/A MGK®	Pyrethrins Piperonyl butoxide	Cattle and horses; Inside stables, livestock and poultry housing, loafing sheds, milk rooms, rabbit houses, research animal areas, and zoos
Ecto B715 Insecticide	67505-10	Ecto Development Company	Permethrin Piperonyl butoxide	Cattle, sheep, goats, and swine
Permethrin 10 EWC *Alternate brand name:* Martin's Permethrin 10% Multi-Purpose Insecticide Permethrin Martin's Horse & Stable Spray Vector-Ban Misting Insecticide for Residential Systems & Barns	53883-72	Control Solutions, Inc	Permethrin	Swine
Tempo® SC Insecticide *Alternate brand name:* Tempo® SC Ultra Insecticide	101563-86 (transferred from 432-1363)	Environmental Science U.S., LLC	Beta-cyfluthrin	Inside and outside livestock and poultry housing and pet kennels

Product Name*	EPA Registration Number	Registrant	Active Ingredient(s)	Use Site(s)
Pestie Home Barrier E1	100947-2	Pestie, Inc	Esfenvalerate Prallethrin Piperonyl butoxide	Inside and outside livestock and poultry housing
F7180-13 Insecticide	279-3635	Environmental Science U.S., LLC (Sold by FMC Corporation)	Acetamiprid	Inside stables, livestock and poultry housing, loafing sheds, milk rooms, rabbit houses, research animal areas, animal transport vehicles, slaughterhouses, aviaries, and zoos
PT® Alpine® II Pressurized Fly Bait	7969-429	BASF Agricultural Solutions US LLC	Dinotefuran	Inside livestock and poultry housing
DeltaGard Fly Insecticide *Alternate brand names:* DeltaGard Fly Space Spray DeltaGard Space Spray DeltaGard ULV	432-1602	Environmental Science U.S., LLC	Deltamethrin	In and around livestock and poultry housing and ranges, animal quarters, and zoos

* This Section 3 product list was obtained from EPA's APPRIL database and is a small sample of the products registered for blow flies. The full list of products registered for controlling, trapping, and repelling blow flies may be found using EPA's APPRIL database: https://ordspub.epa.gov/ords/pesticides/f?p=APPRIL_PUBLIC:2:::::. This list also does not include supplemental distributor products and the distributor product names. Screwworms are not specifically listed as target species on these labels; however, blow flies are listed.

In addition to registered pesticides, some pesticide products are exempt from the requirement for federal registration because they pose little or no risk to human health or the environment and if they meet the conditions for minimum risk pesticides under FIFRA section 25(b) and 40 CFR 152.25. Some states require registration of minimum risk pesticides. Example minimum risk pesticides that may repel New World screwworm are listed in the table below.

USDA is not recommending or endorsing the use of any specific minimum risk pesticide product for the control of New World screwworm.

Examples of minimum risk pesticide products labeled for control of flies (adults) or flying insects:

Product Name*	Company	Active Ingredient(s)	Use Site(s)
Essentria® IC Pro	Central Life Sciences	Sodium lauryl sulfate Geraniol Clove oil Cornmint oil	Agricultural buildings, barns, dairy foundations, livestock facilities, trucks, trailers
Arkion Fly and Tick Spray	Arkion Life Sciences	Castor oil Geraniol Clove oil Peppermint oil	Beef cattle, dairy cattle, horses, and surrounding areas

* The labels for minimum risk pesticide products are available from the manufacturers. Screwworms are not listed as target species on these labels; however, flies or flying insects are listed. This list of minimum risk pesticides for flies or flying insects is not exhaustive.