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EXTENSION AND ADVISORY TEAM

INSECTICIDES FOR FLY CONTROL IN POULTRY PRODUCTION



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INTRODUCTION

Poultry operations can offer a perfect environment for flies and populations can quickly get out of control. Managing flies requires a balanced approach, and chemical products have a role to play in an integrated fly management program. In this document, you will find the products currently registered for use in poultry operations, broken out by how the product is used. You will note that there are a couple of non-chemical products in the tables; they are products registered for use in poultry in the Pest Management Regulatory Agency database and so have been included.

LIABILITY STATEMENT

Recommendations in this guide are given for general information only and do not give the user the right to use a product in a manner not in accordance with the pesticide label or Pest Control Products Act. Perennia, by funding and printing this publication, and the editors/authors, do not offer any warranty or guarantee and do not assume any liability for crop loss, animal loss, health, safety, or environmental hazard caused by the use of any pesticide, advice, or recommendation in this schedule. Pesticides used in this schedule are products labeled for the target and crop. This information was retrieved from the Pest Management Regulatory online of Registered Products Database. The list of products presented in this schedule is intended to be complete, based on products known to be available in the region, but in no way is guaranteed to be complete. Some of the products listed may not be available. Trade names are given as a convenience to producers and are neither an endorsement of the product nor a suggestion that similar products are not available or effective.

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PESTICIDE EMERGENCY CONTACT INFORMATION

Poison Control Centres		
Nova Scotia	800.565.8161 or 902.470.8161	IWK, Halifax, NS
New Brunswick	911	Ask for Poison Information
Prince Edward Island	800.565.8161 or 902.470.8161	IWK, Halifax, NS
Newfoundland	709.722.1110	Dr. Charles A. Janeway Child Health Care Centre, St. John's, NL

Environmental Emergencies (Pesticide Spills)	
Transport Canada Regional Operations Centre (24 hours)	
Nova Scotia	800.565.1633
New Brunswick	800.565.1633
Prince Edward Island	800.565.1633
Newfoundland	800.563.9089

INSECTICIDES FOR FLY CONTROL IN POULTRY PRODUCTION

Group	Active Ingredient	Product Name (Reg Number)	Rate	Re-entry	Life Stage Controlled	Remarks
SPRAYS						
1B	Tetrachlorvinphos	Debantic 50WP (17415)	Various depending on surface type		Adult	Do not spray directly on animals. Agitation is recommended to prevent undue settling of the suspension.
1B	Dimethoate	Cygon 480 (8277), Cygon 480-AG (25651)	5-10 L/ 100m ²		Adult	Apply a residual spray to the ceilings, walls, stanchions. DO NOT contaminate food, feed, and water troughs.
1B	Dichlorvos	DDVP 20% (23915)	25 mL/L water	Ventilate well prior to re-entry	Adult	Apply as a surface spray to window sills and outside of penned enclosures. LAST USE 2023
1B	Dichlorvos	Gardex Vapona-20 ULV (16476)	5L 0.5% solution/100 m ²	1 day after ventilating well	Adult	As a space spray, apply to windowsills and outside of penned enclosures. LAST USE 2023
1B	Naled	Dibrom (7442)	2.9 mL/L water	48 hours	Adult	As a space spray, direct spray throughout fly infested area.
3	Permethrin	Dragnet FT (24175)	25 mL/5 L water	When dry	Adult	Apply as a residual surface spray. Do not apply when people, pest, or livestock present.
3	Permethrin	Pounce 384EC (16688)	25ml/5L water, 5L solution/ 100 m ²	When dry	Adult	Apply as a residual surface spray. Do not apply when people, pest, or livestock present.
3	Permethrin	Tengard (29886)	25 mL/5 L (100m ²)	When dry	Adult	Apply as a residual surface spray. Do not apply when people, pets, or livestock present.
3	Permethrin	Bugwacker 240 (31808)	Varies based on application method	When dry	Adult	Direct spray at surface from a distance of 2-2.4 m. Do not spray where food or feed products are present. Do not apply as a space treatment.
3	Permethrin	Ectiban 25 Fly Killer (15701)	Varies based on application method	When dry	Adult	Do not apply directly to poultry.

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SPRAYS						
3	Permethrin	InCide 25 Fly Killer (31895)	Varies based on application method	When dry	Adult	Do not spray where food or feed products are present. Do not apply as a space treatment.
3	Permethrin	Perm-UP (28877)	25 mL/5 L water, 5 L solution/ 100 m ²	When dry	Adult	Apply as a residual surface spray. Do not apply as a space spray. Do not spray directly on birds.
3	Permethrin	Prelude 240 (26509)	42 mL/100 m ²	When dry	Adult	Apply as a residual treatment directly to inside surfaces where flies rest. Do not contaminate food, feed or water. Do not use as a space spray.
3	Lambda-Cyhalothrin	Lambda-Cyhalothrin CS (28946)	3 mL/L water	When dry	Adult	Apply as a coarse spray to runoff. Apply to horizontal surfaces and overhead areas. Re-apply when re-infestation occurs.
3	Lambda-Cyhalothrin	Prescription Treatment Brand 221L (28485)	Varies based on infestation	When dry	Adult	Inject into cracks and crevices or void spaces where insects may be harbouring, living, and breeding. Apply product for one second. Repeat applications if necessary after a minimum of 21 days.
3	Cyfluthrin	Tempo 20 WP (25673)	1-2 scoops/100 m ²	24 hours	Adult	Apply as a general surface spray. Apply only in well ventilated areas. Avoid direct spray application to the plastic used to cover bowls and troughs.
3	Pyrethrins, Piperonyl Butoxide	Doktor Doom Lice Killer for Poultry Plus+ (32865)	5-10 seconds/ 1000 ft ³	Ventilate well	Adult	Spray toward the ceiling and upper corners and not directly towards the animals or birds. For best results, close doors and windows, if possible, before spraying and keep them closed for 10 to 15 minutes.
3	Pyrethrins, Piperonyl Butoxide	Prozap LD 44Z Dairy Bomb (31960)	5-10 seconds/28 m ³	Ventilate well	Adult	Spray toward the ceiling and upper corners and not directly towards the animals or birds. Applicator should vacate the treated area and ventilate it prior to returning.
3	Pyrethrins, Piperonyl Butoxide	Disvap IV (20424)	200 mL/100 m ³	Ventilate 30 minutes	Adult	Spray upwards to fill area with a fine mist. Keep area closed 15 minutes before ventilating. Sweep up Repeat as necessary with additional spraying of breeding areas. Spray only when temperature is under 32°C.

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SPRAYS						
3	Pyrethrins, Piperonyl Butoxide	Pyroicide Pressurized Multipurpose spray (24729)	5-10 seconds/ 1000 ft ³	Ventilate well	Adult	Spray toward the ceiling and upper corners. For best results, close doors and windows, if possible, before spraying and keep them closed for 10-15 minutes. Repeat as necessary.
3	Pyrethrins, Piperonyl Butoxide	Doktor Doom 3% (28244)	Varies based on application method	Ventilate well	Adult	Handheld or automatic sprayers: Apply as a fine mist or fog. Direct spray toward the ceiling and upper corners of the room. Close doors and windows before spraying, keep closed 10-15 minutes after spraying.
3	Pyrethrins, Piperonyl Butoxide	Doktor Doom 6% (28402)	60 mL/3.8 L water, 60 mL solution /28 m ³	Ventilate well	Adult	Remove animals before spraying. Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners.
3	Pyrethrins, Piperonyl Butoxide	Evergreen (24927)	60 mL/3.8 L water	When dry	Adult	Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners. For best results, close doors and windows before spraying, and keep them closed for 10 to 15 minutes.
3	Pyrethrins, Piperonyl Butoxide	Knock Down Farm and Livestock Insect Killer (30752)	6-10 seconds/30 m ³	Ventilate 30 minutes	Adult	Direct spray upwards to all parts of the room especially windows and other light sources. For best results, close all doors and windows during treatment and keep room closed for 15 minutes before ventilating.
3	Pyrethrins, Piperonyl Butoxide	Knock Down Pro 155 Farm, Barn and Livestock Insect Killer (32339)	200-300 mL/100 m ³	Ventilate 1 hour	Adult	Apply as a space spray in a fine mist. Direct spray upwards to fill the room with a fine mist. Leave the room closed for 15 minutes before ventilating.

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SPRAYS						
3	Pyrethrins, Piperonyl Butoxide	Prescription Treatment Brand ULD Hydropy-300 CF Formula 2 (29762)	Varies based on infestation	Ventilate 1 hour	Adult	Prior to application, close all doors and windows shut off all ventilating equipment and extinguish all flames in the area to be treated. Leave room(s) closed for at least 1 hour. LAST USE 2024
3	Pyrethrins, Piperonyl Butoxide	Prozap Annihilator-XP (31943)	60 mL/3.8 L water, 60mL solution/ 28m ³	Ventilate well	Adult	Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners. For best results, close doors and windows before spraying, and keep them closed for 10-15 minutes.
3	Pyrethrins, Piperonyl Butoxide	Pyroicide Concentrate 7369 (21004)	0.1%, 60 mL solution/30 m ³	Ventilate well	Adult	Apply as a fine mist or fog. Direct spray toward the ceiling and upper corners of the room until the area is filled with mist. Repeat application as necessary.
3	Permethrins, Pyrethrins, Piperonyl Butoxide	Disvap V (23029)	4 L/100 m ²	When dry	Adult	Spray all inside surfaces of the barn including walls, ceilings, beams. Any treated surface that may contact food or feed products should be washed thoroughly after spraying. Do not apply when people, pest, or livestock present
4A	Thiamethoxam, Z-9-Tricosene	Agita 10WG (30336)	Varies based on application method		Adult	Paint on or spray applications. Up to six weeks residual control. Apply only on surfaces out of reach of animals.
0 - UNF	<i>Beauveria bassiana</i>	BalEnce ES (28890)	9.5-16 mL/100 m ²		Adult	Apply spray to walls, floor, posts, and manure concentrating areas where the greatest numbers of pests are located. Re-treat at intervals of 2-7 days as long as pest pressure persists and as pest eggs hatch and mature. No restriction on the total amount applied in a year.

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AUTOMATIC AEROSOLS						
3	Pyrethrins, Piperonyl Butoxide	Flying Insect Killer II (Metered Pressurized Spray) (20390)	Automatic dispenser		Adult	Remove protective cap from top of can and insert can into special automatic dispenser. Place dispenser 2-3m above floor at a point where airflow will carry insecticide throughout the area.
3	Pyrethrins, Piperonyl Butoxide	Guard Mist (18348), Guard Mist I (19685)	Automatic dispenser		Adult	Remove protective cap from top of can and insert can into Guard Mist dispenser. Suspend the dispenser 2-3m from floor at a point where wind flow will carry particles throughout the room.
3	Pyrethrins, Piperonyl Butoxide	Spray-Pak Flying Insect Killer (23216)	Automatic dispenser		Adult	Place dispenser 2-3m above the floor at a point where air flow will carry the insecticide throughout the area.
3	Pyrethrins, Piperonyl Butoxide, N-Octyl Bicycloheptene Dicarboximide	K-G Flying Insect Killer Metered II (28792)	Automatic dispenser		Adult	Remove the protective cap from the top of the can and insert can into dispenser. Place dispenser 2-3m above the floor at a point where air flow will carry the insecticide throughout the area. Do not apply when people, pets, or livestock present.
3	Pyrethrins, Piperonyl Butoxide, N-Octyl Bicycloheptene Dicarboximide	Zone Guard Commercial Flying Insect Killer 1/1-C (30607/30766)	Automatic dispenser		Adult	Place dispenser 2-3m above the floor where air flow will carry the insecticide throughout the area. Do not apply when people, pets, or livestock present.

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BAITS						
1A	Methomyl, Z-9 Tricosene	Fatal Attraction Fly Bait (29428)	250 g/100 m ²		Adult	Scatter bait to window sills and other areas where flies congregate. For caged poultry scatter bait on walkways. Apply only on surfaces out of reach of animals.
1A	Methomyl, Z-9 Tricosene	Starbar Premium Fly Bait (15176), Stimukil Fly Bait (24969)	250 g/100 m ²		Adult	Scatter bait where flies congregate. For caged poultry scatter bait on walkways. When used in areas accessible to birds, bait must be placed in a bait station which prevents birds from consuming the bait.
4A	Thiamethoxam, Z-9- Tricosene	Agita Fly Bait (28297)	200 g/100 m ²		Adult	Scatter bait once daily over fly feeding areas and places where flies are known to congregate. May also be used in hanging or stationary tamper-resistant bait boxes. Apply only on surfaces out of reach of animals.
	Z-9 Tricosene	Starbar Fly Trap Attractant (32124)	Baited trap		Adult	Traps should be placed in areas of high house fly population and should be used as part of a house fly control strategy. When used in areas accessible to birds, bait must be placed in a bait station that prevents birds from consuming the bait.

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AFTER BARN CLEAN-OUT LARVAE CONTROL						
0-UNM	Silicone dioxide (diatomaceous earth)	Be Green Doktor Doom (31917)	35 kg/100 m ²		Larvae	Apply after manure clean-out to the entire surface area of accumulating manure. Use on a weekly basis.
0-UNM	Silicone dioxide (diatomaceous earth)	DE-cide (27265)	35 kg/100 m ²	Return animals once airborne dust has settled	Larvae	After manure cleanout of a caged-poultry house, apply DE-cide to the entire surface area of accumulating manure. Use on a weekly basis.
0-UNM	Silicone dioxide (diatomaceous earth)	PureDE (31540)	35 kg/100 m ²		Larvae	After manure clean-out of a caged poultry house, apply to the entire surface area of accumulating manure on a weekly basis.

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EXTERIOR USE ONLY						
3, 4	Imidacloprid, Beta-cyfluthrin	Temprid ReadySpray (32523)	Do not exceed 20 seconds/m ²	When dry	Adult	Exterior use only. Apply on the exterior surfaces of a structure where listed flying insects congregate, collect or rest.