

# Fly Control

Professional Services Veterinarian Department Technical Bulletin



## The Problem:

Flies can be costly to dairy farmers due to disease transmission and irritation. Whether feeding upon the animals or simply being a nuisance, flies can reduce milk production and decrease weight gains.

There are a number of quality fly control products; however, extended use of one product will cause flies to develop a resistance over time and the product will become less effective.

The best way to control flies is through the implementation of an integrated fly control program.

## Your Solution:

An effective fly control program uses a combination of products (larvicides & adulticides) that attack flies at different stages of the fly life cycle with various environmental, biological and chemical techniques.

- **Larvicides** - Insecticides targeting the larvae stage of a fly. Larvicides come in a variety of forms including biologicals, baits and feed additives.
- **Adulticides** - Insecticides used to kill adult flies. Adulticides are available in baits, sprays, pour-ons and traps.

## Techniques

- **Environmental** - The proper management and sanitation of manure, feeds and facilities.
- **Biological** - Enhancement of the naturally occurring populations of fly predators and parasites.
- **Chemical** - Pour-ons, sprays and baits used in conjunction with environmental and biological techniques to achieve desired degree of fly control. Rotate yearly to avoid resistance.

For more information:  
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## Types of Flies

### Face Fly (*Musca autumnalis*)

- Non-biting fly measures 6-8 mm
- Direct transmitters of pinkeye in cattle
- Larvae grows in freshly deposited cattle manure



### Horn Fly (*Haematobia irritans*)

- Blood feeding fly measures 4-5 mm
- Stay on cattle after feeding
- Moves to the underside of cattle during rain and hot temperatures
- Carries diseases that decrease weight gain and lower milk production
- Larvae grows in cattle manure (do best in grass manure of pastured cattle)



### Stable Fly (*Stomoxys calcitrans*)

- Nuisance blood feeding fly measures 6-8 mm
- Interrupts cattle's normal feeding and resting activities
- Larvae grows in wet manure mixed with soil, straw, bedding material, silage or grain



### House Fly (*Musca domestica*)

- Non-biting fly measures 6-9 mm
- Most abundant insect associated with cattle but causes the least amount of harm
- May cause ear flapping, head shaking and/or pen avoidance
- Larvae grows in virtually all substrates including feed, manure and vegetation



### Horse Fly (*Tabanus lineola*)

- Bloodsucking fly measures 19-25 mm
- Numerous painful bites can cause a significant loss of blood
- Larvae grows in mud along pond edges, stream banks, wetlands or seepage areas



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Fly Control Technical Data		Animal				Usage			Fly Stage		Insects Controlled or Reduced							
Type	Product	Lactating	Non-Lactating	Beef	Calves	Back Rub/ Groomer	Premise	Add-Pack	Adulticide	Larvicide	Horn Flies	Face Flies	Stable Flies	Black Flies	House Flies	Horse Flies	Lice	Ticks
Aerosol Sprays	Catron® IV	X	X	X	X				X		X	X	X		X	X	X	
	ProZap® LD-44Z	X	X	X	*		X		X		X	X	X		X	X	X	
	ProZap® CT-75	X	X	X	*		X		X		X		X		X			
	ProZap® Dy-Fly	X	X	X	*		X		X		X	X	X		X	X		
	Screw Worm Spray	X	X	X	*		X		X		X	X	X		X	X		X
Animal & Premise	Annihilator™ Polyzone®						X		X				X		X			
	Atroban® 11% EC	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X
	Boss® Pour-On	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X
	Cylence®	X	X	X	X	X			X		X	X					X	
	Grenade® ER						X		X		X	X	X	X	X	X		X
	Neporex®						X			X			X		X			
	Permethrin 10%	X	X	X		X	X		X		X	X	X		X	X	X	X
	ProZap® Dairy Cattle Spray	X	X	X	*		X		X		X		X				X	
	ProZap® Insectrin 1% <i>(Synergized Permethrin)</i>	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X
	ProZap® Insectrin Powder	X	X	X	*		X		X		X	X					X	X
	ProZap® VIP	X	X	X	*							X	X		X			
	Tempo® SC*						X				X	X	X	X	X	X		X
	Ultra Boss® Pour-On	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X
Bait	Golden Malrin®						X		X						X			
	QuickBayt®						X		X						X			
	QuickBayt® Spot Spray						X		X						X			
	Quikstrike®						X		X						X			
Insecticide Ear Tags	Gardstar® Plus	X	X	X	X				X		X	X	X		X		X	X
	Python® Magnum™	X	X	X					X		X	X	X		X		X	
	Python® Purple	X	X	X	X				X		X	X					X	X
	Saber™ Extra		X	X	X				X		X	X					X	X
	Warrior™		X	X					X		X	X	X		X		X	X
	XP-820™		X	X					X		X	X						X
Other	elim-A-fly™							X		X	X	X		X				
	Fly Predators						X			X	X	X	X	X	X	X		

\*Formulated for dairy and beef operations. Age not listed.

Fly Control Introduction

