

Feedlot Plan for Fly Control

Goals:

- To implement reasonable measures to control the level of flies at the feedlot so that they do not become a nuisance to workers, neighbors or cattle.
- To ensure insecticides for fly control are used, stored and disposed of responsibly to prevent contamination of workers, cattle or the environment (e.g. surface or water contamination, feed contamination).

Instructions: Check off the areas below that describe operational procedures in your feedlot and delete the procedures which you do not perform. Refer to your provincial environmental regulations and feedlot development permits. Edit as required and fill in the blanks and answer the short questions. Ensure supporting records are available.

Procedures

- Personnel responsible for fly management control _____
- Fly populations are monitored to determine pest levels, whether control measures are needed, and the effectiveness of control efforts
 - House fly populations are monitored by
 - Spot cards
 - Baited jug-traps
 - Other (describe)
 - Stable fly populations are monitored by
 - Number of flies per front leg
 - Proportion of infected legs
 - Other (describe)
 - Other (describe)
- The moisture of manure is managed to reduce the potential number of fly larval development sites by:
 - Repairing leaking water bowls
 - Providing drainage and runoff channels
 - Placing concrete aprons around feed bunks and water bowls
 - Enclosing areas under feed bunks
 - Covering hay bales and storing on a slope or pallet
 - Placing concrete pads under fences to facilitate cleaning
 - Sloping pens ___ to ___% to facilitate rapid drying of floor surfaces
 - Other (describe)
- Breeding and development sites of flies are reduced by:
 - Removing manure from pens and alleyways at least _____ (frequency) per year
 - Cleaning manure beneath fence lines

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- Scraping pens frequently and moving manure to the bedding pack or back of pen for in-pen composting
 - Cleaning margins of silage mounds
 - Cleaning spilled feed near feed bunks
 - Cleaning manure from the processing and treatment barn floors
 - Controlling weeds around the sides of catch basins
 - Other (describe)
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- Chemical insecticides for surface and space applications or animal applications are used to reduce fly populations only when necessary. They are not applied on a route calendar day basis.
 - Chemical classes of insecticides (e.g. organophosphate, carbamate, pyrethroid) are rotated to reduce chemical resistance
 - Insecticides are not used before the onset of the fly season
 - Label directions are followed for all fly control chemicals to ensure personnel safety, animal safety, and chemical residue avoidance (fill in table below or append a copy of label insert and MSDS (Material Safety Data Sheet) of insecticides used for fly control in the feedlot)

Trade Name	Chemical Name	Chemical Class	Directions for Use (mixing instructions, dose, application, frequency...)	Cautions

- Insecticides are stored
 - in original containers that are clearly labeled
 - in a cool, dry place; kept away from freezing and excessive heat
 - in areas where floors are impervious and there are no floor drains
 - away from cattle, feed, water (at least 30 m from open body of water)
 - securely (under lock and key) if highly toxic
 - other (describe)

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- o Insecticides are used at label recommended doses
- o Insecticide containers are disposed safely to prevent contamination of water bodies or feed
 - o Disposed at a pesticide container collection site
 - o Plastic, metal or glass containers are clean (triple rinsed or pressure rinsed) and well drained before disposal (e.g. consult the AAFRD Crop Protection Manual)
 - o Paper bags and cardboard containers are thoroughly emptied and disposed of in a sanitary landfill (i.e. not burned)
 - o Outer packaging e.g. cardboard boxes is burned or disposed in a regular landfill
 - o Other (describe)

- o If the fly control plan is not followed or problems occur, _____ (who) is contacted, corrective actions are implemented, personnel responsible are retrained, plans are updated if necessary, and actions are recorded.