



## HOW TO GET THE BEST RESULTS FROM BUFFALO FLY TAGS

- 1) Adhere strictly to a tag rotation program:
  - a) THE FIRST TWO YEARS WITH AN ORGANOPHOSPHATE TAG  
e.g. OPTIMIZER  
*Reason: If there is an existing strain of pyrethroid resistant flies, they tend to be much more susceptible to the organophosphates. The recommended TWO-year period of use is to ensure that pyrethroid resistance has been lowered to a level where the pyrethroid tags will have greater efficiency.*
  - b) FOLLOWED BY ONE APPLICATION ONLY OF A PYRETHROID TAG e.g. PYTHON  
*Reason: Buffalo flies have greater capacity to develop resistance more rapidly to the pyrethroids, than they do to the organophosphates, and because there are so many buffalo fly insecticides on the market, that contain pyrethroids, more than one year's use could increase the resistance to a level, where more than two years use of the organophosphate tags will be required to reduce the resistance level.*
  - c) THEN USE A ROUTINE TWO YEAR TO ONE YEAR ORGANOPHOSPHATE TO PYRETHROID ROTATION PROGRAM
- 2) AVOID THE USE OF PYRETHROID BASED TICKICIDES DURING ROTATION PROGRAM  
*Reason: It is preferable to not use any pyrethroid-based ectoparasiticides during the period of organophosphate tag use, so as to prevent any pyrethroid exposure to buffalo flies and subsequent development of resistant strains.*
- 3) USE A TAG MANGEMENT PROGRAM
  - TAG EVERY ANIMAL IN A MOB  
*Reason: As the insecticide in the impregnated tag is dispersed through the herd by animal contact and grooming activity, any animal that does not have an ear tag, will receive an insufficient dose of the insecticide which subsequently will promote the build-up of resistance.*
  - REMOVE TAGS AFTER EFFICACY PERIOD

*Reason: After 20 weeks of exposure on the animal, the insecticidal ear tag can still contain up to 50% of the original formulation of insecticide. Release of insecticide after this period will be under-strength and therefore predispose flies to resistance.*

**- LIASE WITH YOUR NEIGHBOURS ON INSECTICIDE USAGE**

*Reason: If your neighbours are using a different class of insecticide to you, try to get them to synchronize both their timing of application and class of insecticide to yours. This will minimize the onset of insecticide resistance in your area.*

**- STRATEGIC TIMING OF TAG APPLICATION**

*Reason: Apply tags so that they will be most effective when the highest populations of buffalo flies occur. Generally this should be in December to counteract the fly flush of January and February. Recent mild winters have tended to lengthen the fly season and it has now become common practice for graziers to adopt a dual tagging program by tagging on October and then again in February to obtain season long strategic control of buffalo fly.*

**4) KEEP TAGS OUT OF DIRECT SUN and OUT OF HOT SHEDS**

*Reason: As the insecticidal tag is constructed of soft pliable polymers, any exposure to extreme heat will make them even softer, and can result in inadvertent release of insecticide from the tag. This could severely affect the life and consequent efficacy of the tag.*

**5) GET TECHNICAL ADVICE – from reseller or Flycam**

**INSECTICIDE CLASSES OF MOST COMMON BUFFALO FLY INSECTICIDES**

<b>ORGANOPHOSPHATE</b>	<b>PYRETHROID</b>	<b>COMBINATION</b>	<b>OTHER</b>
WARRIOR	DEMIZE	BARRICADE S	FICAM GOLD
NUCIDOL	SUMIFLY	BLOCKADE	
DIAZNON	COOPAFLY	TIXAFLY	
PATRIOT	CYPAFLY		
OPTIMIZER	PYTHON		
SPIKE			
SUPONA			
DI-JET			

For further information contact:

**FLYCAM Pty Ltd**  
**PO Box 405**  
**KENMORE QLD 4069**

**Fax. (07) 3277 7071**  
**Tel. (07) 3277 7070**  
[www.flytags.com](http://www.flytags.com)