THE Y-TEX INSECTICIDAL EAR TAG ROTATION STRATEGY!

1. International experts agree that the strategic alternation of chemical classes is helpful in the prevention of insecticide resistance in buffalo flies. The level of resistance to an insecticide usually declines to a low level in a fly population, if that insecticide is not used for two or three years.

2. The three insecticides used in insecticidal ear tags are the organophosphates {Optimizer and Warrior}, synthetic pyrethroids {Python and Maxima} and macrocyclic lactones {Agressor}.

3. A THREE-YEAR Rotation Strategy is recommended for the Long Term Control of Buffalo Fly:

   A. Use Agressor {the gold tag} in the 1st year.
   B. Use Optimizer {the orange tag} or Warrior {the green tag} in the 2nd year.
   C. Use Python {the purple tag} or Maxima {the blue tag} in the 3rd year.
   D. Then REPEAT the 3 year cycle.

4. It is important to strictly adhere to this tag rotation program. Repeated used of the same insecticide tag will inevitably lead to increased resistance and potential product failure. It is also important to adopt a tag management program.

5. The recommended insecticidal ear tag management program consists of:
   a) tagging all the animals in a mob
   b) applying the recommended number of tags to each animal
   c) removing the tags at the end of the efficacy period
   d) adopting the above tag rotation strategy
   e) synchronizing you insecticide applications with your neighbours

6. The strategic timing of the application of insecticidal ear tags is very important because all insecticidal ear tags release a high proportion of their insecticide during the first month after application. In most areas of the Buffalo fly zone, peak fly populations occur during the months of January through to March. If insecticidal ear tags are applied in December, they will be highly active during this period. If they are applied any earlier, i.e. October/November, their effectiveness will be diminished due to insecticide depletion during the peak fly period. The subsequent release of sublethal doses can contribute to a build-up of insecticide resistance.

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