

INCREASED PEST PROTECTION, LOWER RISK OF PARASITE RESISTANCE

Don't risk creating parasite resistance. Get full season protection against horn flies with a one-time application of Ultra Saber Pour-On along with two Double Barrel VP Insecticide Ear Tags.



Double Barrel VP Insecticide Ear Tags – Quick knock-down, long-lasting control

- Contains two active ingredients: an organophosphate (14.0% pirimiphos methyl) and a synthetic pyrethroid (6.8% lambdacyhalothrin).
- Two separate drug classes used simultaneously is more effective in managing horn fly resistance than single chemistry ear tag methods used in rotation.¹
- Two Double Barrel VP Insecticide Ear Tags release virtually the same amount of insecticide as in two Saber Extra Ear Tags and two Dominator Ear Tags.
- Delivers quick control of both horn flies and face flies that lasts up to five months.



Ultra Saber Pour-On – Reduced cost per treatment

- Provides 90% control of horn flies for 7+ weeks.
- Formulated with 1% Lambdacyhalothrin, a 3rd generation pyrethroid in a pour-on formulation, and 5% piperonyl butoxide, a synergist which improves insecticidal activity.
- Highly concentrated formulation translates into reduced cost per treatment versus most high volume pour-on products.
- Approved for use in all classes of beef cattle and calves to control horn flies and lice.



Consult your local veterinarian for assistance in the diagnosis, treatment and control of parasitism.

Intervet/Schering-Plough Animal Health
www.intervetusa.com
800.521.5767

¹Managing Resistance Tech Services Bulletin: Efficacy Evaluation of Ultra Saber™ Pour-On and Double Barrel™ VP Insecticide Ear Tags vs. XP 820™ Insecticide Cattle Ear Tags and Agri-Mectin® Pour-On Against Horn Flies, *Haematobia irritans*, in South Florida.

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STUDY TRIAL RESULTS



ONE-TIME APPLICATION

CONTROLS HORN FLY POPULATIONS, REDUCES RISK OF INTERNAL PARASITE RESISTANCE

Study shows that Ultra Saber® Pour-On in conjunction with two Double Barrel® VP Insecticide Ear Tags effectively controls horn-fly populations without increasing risk of internal parasite resistance.

A 17-week study conducted in South Florida evaluated the efficacy of Ultra Saber® Pour-On and Double Barrel™ VP Insecticide vs XP 820™ Insecticide Cattle Ear Tags and Agri-Mectin® Pour-On against natural horn fly (*Haematobia irritans*) infestations.

Study Protocol

- 599 two-year old heifers, approximately 800 lbs. each
- 637 yearling heifers, approximately 500 lbs. each
- Products were equally allocated across both Treatment Groups
- Products administered according to label directions

Treatment Group 1

Ultra Saber Pour-On/Double Barrel VP Ear Tags

(1% Lambda-cyhalothrin and 5% piperonyl butoxide) applied at a dose rate of:

- 10 mL/head for cattle that weigh < 600 lbs.
- 15 mL/head for cattle that weigh ≥ 600 lbs.

Two tags per head - Double Barrel VP Insecticide Ear Tags (6.8% Lambda-cyhalothrin and 14.0% Pirimiphos methyl)

Treatment Group 2

Agri-Mectin Pour-On/XP 820

(5 mg. ivermectin/ml.) applied at a dose rate of:

- 1 ml/22 lbs.

Two tags per head - XP 820 insecticide cattle ear tags (8% total of Avermectin B1a and B1b and 20% piperonyl butoxide)

Pretreatment Average: Yearling Heifers – 28 flies per head
Two-Year-Old Heifers – 316 flies per head

Results and Discussion

The one time application of Ultra Saber in combination with two Double Barrel ear tags (one per ear) proved to be a very effective, matching the Group II treatment.

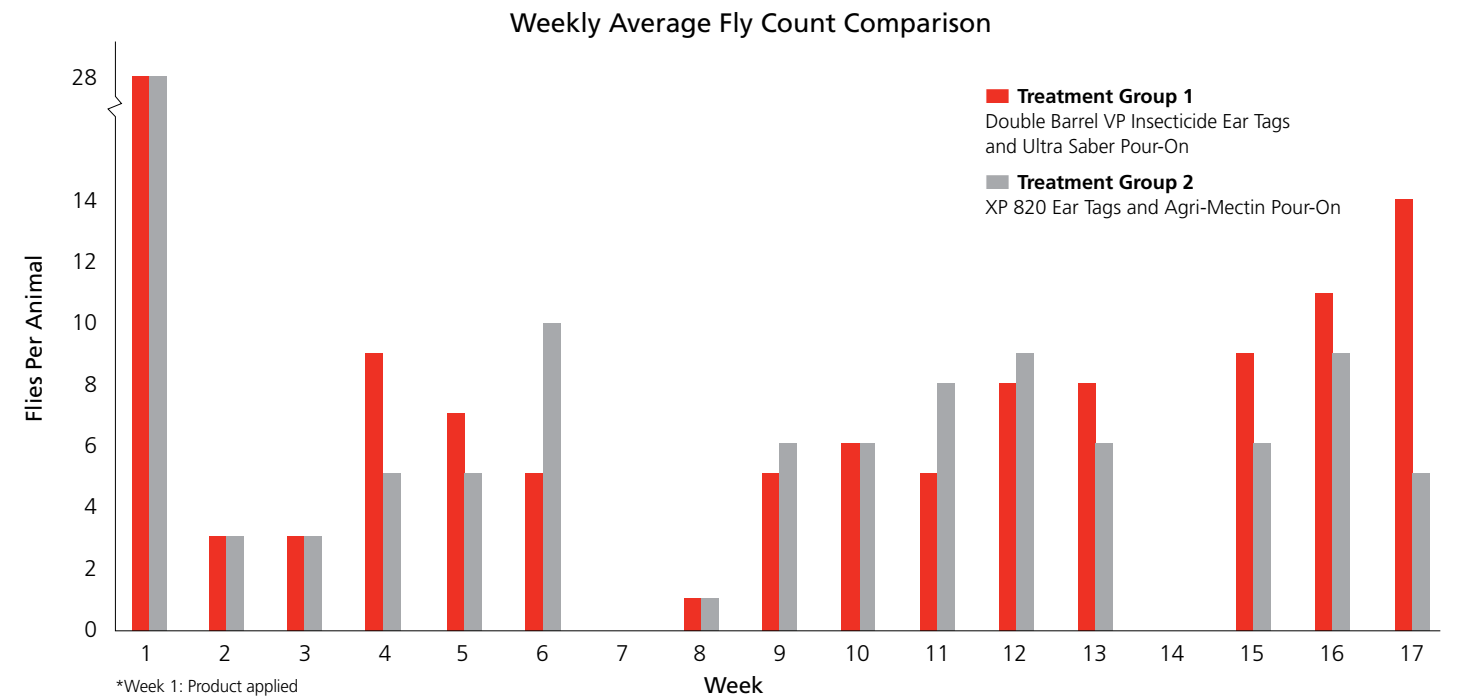
The active ingredients in the Ultra Saber and Double Barrel VP exclusively target external parasites only, eliminating the risk of any internal parasites developing resistance.

Ivermectin, the active ingredient used in the pour-on in the Group II treatment, works internally which does increase the risk of creating parasite resistance following multiple applications.

Both treatments were virtually identical in reducing initial horn fly populations and keeping horn fly populations below economic threshold levels of 200 flies per head during the seventeen week trial in yearling and two year old heifers.

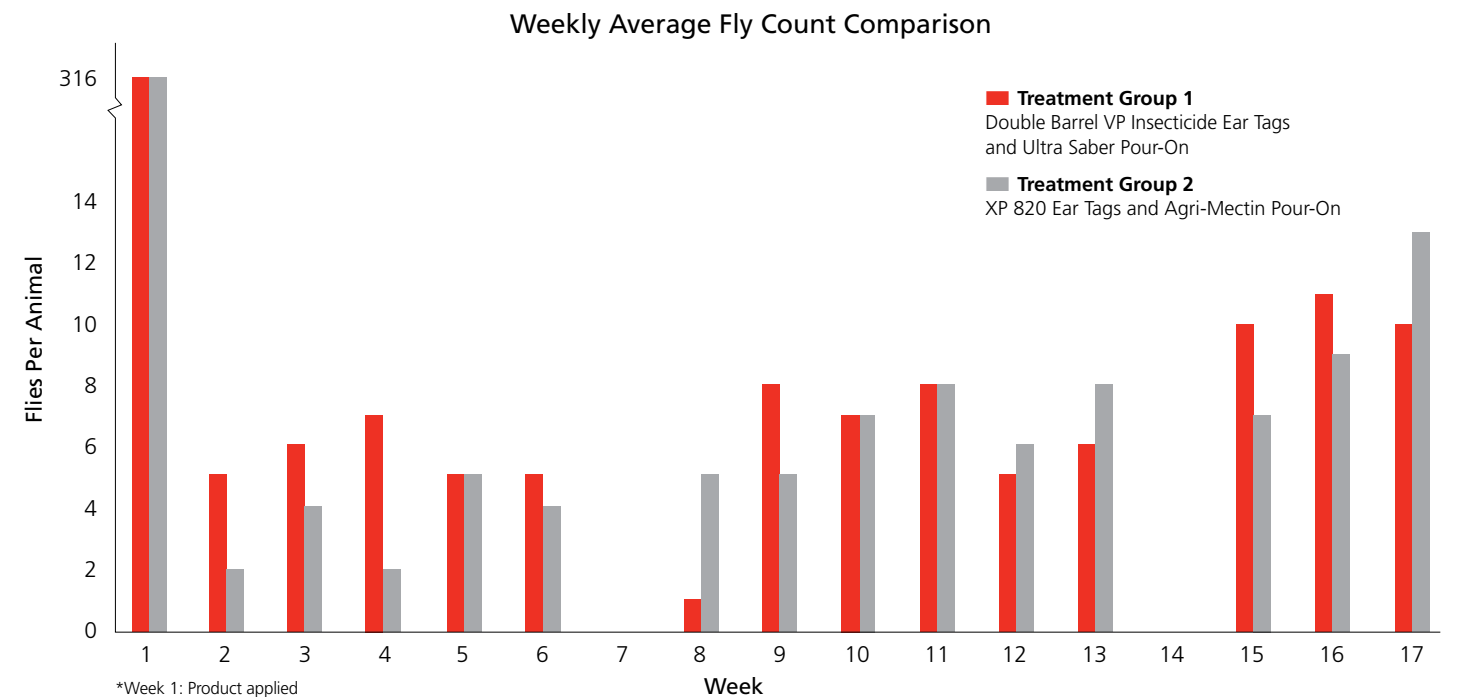
Yearling Heifer Herd

- The average fly count was 28 flies per head prior to treatments being applied. These animals were treated with Ultra Saber in the second week of July, as part of the operation's standard Integrated Pest Management practices.
- By Weeks 2 and 3, both treatments reduced fly pressure by 89% and by Week 8, both treatments reduced fly pressure by 97%.
- By week 17, both treatments still effectively reduced fly pressure and provided economic fly control, with Treatment I animals averaging 14 flies per head and Treatment II animals averaging 5 flies per head.



Two-Year-Old Heifer Herd

- The average fly count was 316 flies per head prior to treatments being applied.
- By week 3, Treatment I reduced fly pressure by 98%, while Treatment II reduced it by 99%. Both treatments reduced fly pressure by 98% by Week 10 and by Week 13, Treatment I reduced fly pressure by 98%, while Treatment II reduced it by 97%.
- By Week 17, both treatments reduced fly pressure and provided economic fly control. Treatment I animals averaged 10 flies per head and Treatment II animals 13 flies per head.



Fly counts were conducted weekly after Day 0 for 17 weeks, unless one wasn't conducted due to an unforeseen conflict. In each respective herd (yearling heifers and two year old heifers), 20 animals from each treatment group were randomly selected and horn flies were counted on each animal by use of binoculars.