

## **SYNERGIZED® Delice**

### *Product description*

SYNERGIZED® Delice is a pour-on insecticide that controls a wide range of insects on cattle, sheep and premises. It controls lice, horn flies, and face flies on lactating and non-lactating dairy cattle, beef cattle and calves and aids in control of horse flies, stable flies, house flies, mosquitos and black flies as well as others. It also controls sheep keds and lice in sheep.

### *Product bullets*

- Safe to use on cattle of all ages
- Migrates over animal's skin and hair coat for maximum coverage
- Economic, ready to use, no mixing required
- Convenient application methods: pour-on animal, spray-on animal, spray-on premise, diluted for back rubbers
- Should be used in an integrated pest management system which may involve repeat treatments and the use of other pest control practices

**Special Note:** Synergized Delice Insecticide is not effective in controlling cattle grubs. Synergized Delice Insecticide is an oil-based, ready-to-use product that may leave an oily appearance on the hair coat of some animals. Synergized Delice Insecticide should be used in an integrated pest management system which may involve repeat treatments and the use of other pest control practices.

### *Key words*

Cattle insecticide, horn flies, face flies, lice, sheep insecticide, Synergized, delice, pour on, Synergized Delice

## **ULTRA SABER® Pour On**

### *Product description*

ULTRA SABER® Pour On insecticide provides fast, long-lasting control of horn flies and lice for beef cattle and calves.

### *Product bullets*

- Applied in a convenient low-dose application – 10 mL for animals 600 lb. or less
- Season-long (January-April) lice control with one application
- Ready to use pour-on.<sup>1</sup> May be used with Automatic Dosing System
- 1% Lambdacyhalothrin insecticide synergized with 5% Piperonyl Butoxide (PBO)

<sup>1</sup> Data on file Merck Animal Health

**Special Note:** Ultra Saber™ Pour-On is not recommended for use on veal calves. Ultra Saber Pour-On is not effective in controlling cattle grubs. Therefore, this product can be used on cattle at any time of the year without fear of host-parasite reactions commonly associated with grub treatment products. Ultra Saber Pour-On should be used in an integrated pest management system, which may involve repeat treatments and the use of other pest control practices. Continual exposure of horn flies to a single class of insecticide, (eg, pyrethroids or organophosphates) may lead to the development of resistance to that class of insecticide. In order to reduce the possibility of horn flies developing

resistance, it is important to rotate, on a seasonal basis, the class of insecticide used and/or the method of horn fly control. For advice concerning current control practices with relation to specific local conditions, consult resources in resistance management programs and your Cooperative Agricultural Extension Service.

*Key words*

Cattle insecticide, horn flies, lice, Ultra Saber Pour On, Ultra Saber, Saber, pour on

### **Saber™ Pour-On Insecticide**

*Product description*

Saber Pour On is a broad-spectrum pest management insecticide used for long-lasting residual control of lice and horn flies on beef cattle and calves.

*Product bullets*

- Pour-on insecticide with the highly bioactive lambdacyhalothrin
- 1% Lambdacyhalothrin insecticide
- Economical, low dose volume
- Season-long lice control (January-April) with one application
- May be used with Automatic Dosing System

**Special Note:** Saber™ Pour-On is not recommended for use on veal calves. Saber Pour-On is not effective in controlling cattle grubs. Therefore, this product can be used on cattle at any time of the year without fear of host-parasite reactions commonly associated with grub treatment products. Saber Pour-On should be used in an integrated pest management system, which may involve repeat treatments and the use of other pest control practices. Continual exposure of horn flies to a single class of insecticide, (eg, pyrethroids or organophosphates) may lead to the development of resistance to that class of insecticide. In order to reduce the possibility of horn flies developing resistance, it is important to rotate, on a seasonal basis, the class of insecticide used and/or the method of horn fly control. For advice concerning current control practices with relation to specific local conditions, consult resources in resistance management programs and your Cooperative Agricultural Extension Service.

*Key words*

Saber, lambdacyhalothrin, horn files, lice, pour on, Saber pour-on

### **ULTRA BOSS® Pour On**

*Product description*

ULTRA BOSS® Pour On insecticide is used for beef, dairy and lactating cattle; sheep, goats and horses. Target species include: lice, horn flies, face flies, horse flies, stable flies, mosquitos, black flies and ticks.

*Product bullets*

- Low-volume dosage reduces time and labor
- Effective horn fly control for 8 weeks. Also controls face flies
- Season-long lice control with one application (January through April)

- Apply 3 mL per 100 lb. body weight, up to 30 mL maximum application limit. Also approved for use in backrubbers

**Special Note:** For cattle, horses, sheep and goats, repeat treatment as needed but not more than once every two weeks. For horses, do not saddle horse for 6 hours after application and refrain from washing down area of application. For optimum lice control, two treatments at 14-day intervals are recommended. Ultra Boss® Pour-On Insecticide is not effective against cattle grubs.

*Key words*

Cattle insecticide, horn flies, lice, face flies, stable flies, mosquitos, black flies, ticks, ULTRA BOSS® Pour On, pour on, Ultra Boss, Boss

### **Boss® Pour-On Insecticide**

*Product description*

Boss is a pour-on insecticide for beef and dairy cattle and sheep which takes control of flies and lice and provides season-long lice control with one application.

*Product bullets*

- Concentrated 5% Permethrin in low-volume dosage minimizes labor and maximizes control
- No pre-slaughter withdrawal and no milk discard
- May be used with automatic dosing
- For all classes of beef cattle, dairy cattle, and sheep

**Special Note:** Boss® Pour-On Insecticide is not effective against cattle grubs. Boss® Pour-On Insecticide should be used in an integrated pest management system which may involve repeat treatments and the use of other pest control practices. For cattle and sheep, repeat treatment as needed but not more than once every 2 weeks.

*Key words*

Boss, flies, lice, keds, permethrin, pour on, Boss Pour-On

### **Atroban® 11% EC**

*Product description*

Atroban is an emulsifiable concentrate long-lasting insecticidal spray for livestock and their premises.

*Product bullets*

- Controls horn flies, face flies, stable flies, house flies, horse flies, black flies, mosquitoes, eye gnats, mange mites, scabies mites, ticks and lice
- Can be used in a sprayer system or back rub
- Store in a cool dry place

**Special Note:** Repeat applications as needed but not more often than once every 2 weeks. Spray lactating dairy animals *only* after milking is completed. Use as needed on horses not intended for human consumption. For swine, allow 5 days between last treatment and slaughter. Do not apply

dilutions for premise treatment directly on livestock or poultry. Ensure that animals' feed and water are not contaminated by spray drift. For space spraying, do not remain in treated areas and ventilate the areas before reoccupying. Animals should be removed from areas prior to treatment. Do not use in milk rooms. The use of any residual fly spray should be supplemented with proper manure management and general sanitation to reduce or eliminate fly breeding sites. This product is not recommended for use on vinyl or plastic surfaces.

*Key words*

Atroban, permethrin, horn flies, face flies, stable flies, house flies, horse flies, black flies, mosquitoes, eye gnats, mange mites, scabies mites, ticks, lice, insecticide, insecticide spray

## **Grenade™ ER Insecticide**

*Product description*

Grenade is a broad-spectrum premise insecticide for pest control in, on and around livestock buildings, structures and surroundings.

*Product bullets*

- Provides three months of premise protection<sup>1</sup>
- Microencapsulation delays breakdown of active ingredient<sup>1</sup>
- Effective on difficult to treat surfaces (vinyl, cement, other porous materials)<sup>1</sup>
- Twice the bioactivity of other common insecticides<sup>1</sup>

<sup>1</sup>Competitive Comparison: DEMAND Versus CYONARA 9.7, [http://www.syngenta-us.com/images/resource\\_pages/pmp/demand\\_ez\\_ss\\_compare.pdf](http://www.syngenta-us.com/images/resource_pages/pmp/demand_ez_ss_compare.pdf), Syngenta Crop Production Inc., 2008.

**Notice:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

*Key words*

Grenade ER Insecticide, lambdacyhalothrin, pest control, Grenade, insecticide

## **Double Barrel™ VP Ear Tags**

*Product description*

Double Barrel VP insecticide ear tags are used for control of horn flies and face flies, on beef and non-lactating dairy cattle and calves.

*Product bullets*

- For up to five months control of horn flies and face flies, use two tags per head on beef and non-lactating dairy cattle and calves
- Provides quick knockdown and control of both horn flies and face flies
- Combines two different active ingredients, an organo-phosphate and a synthetic pyrethroid, to minimize resistance development and eliminates the need for ear tag rotation
- Approved for use on beef cattle, non-lactating dairy cattle, and calves of all ages
- Unique triangular shape prevents tag from breaking off at neck

**Note:** Continual exposure of Horn flies to a single class of insecticide (eg, pyrethroids or organophosphates) may lead to the development of resistance to that class of insecticide. In order to reduce the possibility of Horn flies developing resistance, it is important to rotate the class of insecticide used and/or the method of Horn fly control on a seasonal basis. For advice concerning current control practices with relation to specific local conditions, consult resources in resistance management programs such as veterinarian and/or your Cooperative Agricultural Extension Service.

*Key words*

Double Barrel, Lambdacyhalothrin, Pirimiphos Methyl, horn flies, face flies, insecticide ear tags, ear tag, ear tags, insecticide

### **Dominator® Insecticide Ear Tags**

*Product description*

Dominator insecticide ear tags are used for the control of horn flies (including synthetic pyrethroid-resistant horn flies) and as an aid in the control of face flies on beef and non-lactating dairy cattle and calves.

*Product bullets*

- Provides up to five months of control of horn flies (including synthetic pyrethroid-resistant horn flies) and as an aid in the control of face flies<sup>1</sup>
- Convenient 9.5 gram tag can be used on calves of any age<sup>1</sup>
- Use two tags per head on beef and non-lactating dairy cattle and calves<sup>1</sup>
- Exclusive organophosphate chemistry<sup>1</sup>
- Easily applied with Allflex® tagging system<sup>1</sup>

<sup>1</sup>Data on file, Merck Animal Health.

**Note:** Continual exposure of Horn flies to a single class of insecticide (eg, pyrethroids or organophosphates) may lead to the development of resistance to that class of insecticide. In order to reduce the possibility of Horn flies developing resistance, it is important to rotate the class of insecticide used and/or the method of Horn fly control on a seasonal basis. For advice concerning current control practices with relation to specific local conditions, consult resources in resistance management programs such as veterinarian and/or your Cooperative Agricultural Extension Service.

*Key words*

Dominator insecticide, horn flies, face flies, Allflex, pirimiphos methyl, Dominator, Dominator ear tag, ear tag, ear tags

### **Saber™ Extra Insecticide Ear Tags**

*Product description*

Saber insecticidal ear tags aid in the control of horn flies and face flies on beef and non-lactating dairy cattle and calves.

**Note:** Continual exposure of horn flies to a single class of insecticides (eg, pyrethroids or

organophosphates) may lead to the development of resistance to that class of insecticides. In order to reduce the possibility of horn flies developing resistance, it is important to rotate the class of insecticide used and/or the method of horn fly control on a seasonal basis. For advice concerning current control practices with relation to specific local conditions, consult resources in resistive management programs and/or your Cooperative Agricultural extension Service.

*Product bullets*

- For up to five months control of horns flies and up to four months control of face flies
- Use two tags per head
- For beef cattle and non-lactating dairy cattle and calves
- Easily applied with Allflex® tagging system

*Key words*

Saber, lambdacyhalothrin, piperonyl butoxide, face flies, horn flies, Saber Extra, Saber Ear Tags, ear tag, ear tags, insecticide