

# TEKKO® 10



## Insect Growth Regulator Concentrate

Insecticide for Indoor and Outdoor Control of Crickets

For Control of Soldier Fly, House Fly and Dump Fly Larvae in Cattle Barns, Feed Lots and Dairy Barns, Hog Farms and Horse Barns and for Control of Soldier Fly, House Fly, Dump Fly and Litter Beetle Larvae in Poultry Operations and to reduce the emergence of adult Stable Flies and Hay Feeding Sites in cattle pastures.

### ACTIVE INGREDIENT:

	% By WT.
Novaluron: N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide*	9.3%
OTHER INGREDIENTS:	90.7%
TOTAL	100.0%

\*Contains 0.83 lbs. Novaluron per gallon.

KEEP OUT OF REACH OF CHILDREN  
**WARNING/AVISO**

EPA Reg. No. 53883-348

EPA Est. No. 53883-TX-002

**NET CONTENTS: 32 FL. OZ.**



ADAMA

Manufactured for:

**Control  
Solutions Inc.**

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama

Consumer and Professional Solutions

EPA 102119

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Prevents the emergence of adult flies from maggots of: Soldier Flies, Darkling Beetles (Litter, Hide and Carrion Beetles), House Flies, Stable Flies and Dump Flies.

For use in controlling emergence of adult listed flies from manure and other fly breeding sites in: Cattle Barns, Hog Farms, Horse Barns, Incinerators, Cattle and Horse Manure, Non-Farm Animals Stalls, Poultry Buildings, Cage-layer houses, Poultry Houses, Refuse Storage Areas, Hay Feeding Sites.

For use in hay feeding sites in cattle pastures to reduce the emergence of adult stable flies for up to 4 weeks.

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<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>● Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>● Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>● Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>● Take off contaminated clothing.</li> <li>● Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>● Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>● Call a poison control center or doctor immediately for treatment advice.</li> <li>● Have person sip a glass of water if able to swallow.</li> <li>● Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>● Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>● Move person to fresh air.</li> <li>● If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>● Call a poison control center or doctor for further treatment advice.</li> </ul>
<p><b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.</p> <p><b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wear protective eyewear such as goggles, face shield or safety glasses. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Applicators must wear chemical resistant gloves.

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to freshwater and marine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

### **DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT  
IN A MANNER INCONSISTENT WITH ITS LABELING**

**FOR CRICKET, LITTER BEETLE, DUMP FLY, HOUSE FLY AND  
SOLDIER FLY CONTROL**

The active ingredient in TEKKO®10 is novaluron, an insect growth regulator. TEKKO®10 affects only developing immature stages by disrupting the molting process and preventing them from reaching the adult breeding stage. Consequently, fully developed adult stages of pests and beneficial species are not affected. The elimination of adult insects occurs gradually and becomes visible one to two weeks after application. Insects which are already in the adult stage will not be affected. For best results, read all directions thoroughly.

TEKKO®10 is a larvicide with specific and unique properties developed for the control of nymphal crickets, litter beetle larvae, dump, house and soldier fly larvae in manure and

other breeding sites; dump, house and soldier fly larvae in cattle operations, hog farms and horse barns where horses are not intended for slaughter or food; and control of litter beetle, dump, house and soldier fly larvae in poultry operations. Include appropriate sanitary and management practices to reduce the number and size of insect pest breeding sites.

In addition TEKKO®10 provides control of crickets causing a gradual reduction in the cricket population by interrupting the life cycle of the crickets, and preventing them from reaching the adult breeding stage. The product may also be combined with an adulticide. TEKKO®10 compliments the rapid activity of the adulticide by providing long term control of cricket nymphs before they become breeding adults.

### **USE INFORMATION**

**INSTRUCTIONS FOR USE:** Mix TEKKO®10 with water and apply with spray equipment e.g. any low pressure sprayer typically used for indoor applications as described below.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding the recommended amount of formulation for each use (indoor, outdoor perimeter, or animal facility), and dilute with the recommended amount of water. For animal facilities, use enough water to assure adequate and complete coverage and penetration of the spray application. To mix, partially fill the mixing container with water, add TEKKO®10, agitate and fill to the final volume. Agitate before each spray. Do not allow spray mixture to stand overnight.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** TEKKO®10 may be combined with an insecticide registered for adult control of crickets, control of house, soldier and dump fly larvae in cattle operations, hog farms and horse barns, as well as the control of soldier fly, dump fly, house fly and litter beetle larvae in poultry operations. The combination would provide immediate control of adult crickets, soldier, house and dump flies, and inhibit the development of the immature stages of the soldier, house and dump flies, and crickets. TEKKO®10 inhibits progression to the next nymphal stage in crickets for 180 days. This application must conform

to accepted use precautions, restrictions and directions for both products. Use TEKKO®10 only at specified application rates.

**CATTLE AND POULTRY OPERATIONS, HOG FARMS AND HORSE BARNs for horses not intended for slaughter or food**

**Application Sites:** TEKKO®10 may be used in controlling the emergence of adult soldier flies, house flies, darkling beetles (litter, hide and carrion beetles), and dump flies from manure and other fly breeding sites in: Cattle Barns, Hog Farms, Horse Barns, incinerators, cattle and horse manure, non-farm animal stalls, poultry buildings, cage layer houses, poultry houses, refuge storage areas. Tekko 10 may also be used to reduce the emergence of adult stable flies at hay feeding sites in cattle pastures for up to 4 weeks.

Apply TEKKO®10 only on fly breeding sites. Do not apply to fly resting sites (walls, ceilings, etc.), as it has no effect on adult flies. Do not contaminate feed troughs and water troughs.

**Application Method:** Coarse Spray – Apply TEKKO®10 directly and evenly on the insect pest breeding sites.

**Cattle, Horse and Hog Operation Application Schedules:**

The treatment interval depends on management and housing systems as well as on climatic conditions. In horse barns, hog units and dairies, the reapplication interval is no less than 30 days. If the treatment area is >0.25 acre for each application, do not exceed 8 applications per year at 1.5 fl. oz./1000 ft<sup>2</sup> and/or Do not exceed 4 applications per year at 3 fl. oz./1000 ft<sup>2</sup>). If the treatment area is ≤0.25 acre (10,890 ft<sup>2</sup>), a maximum of 12 applications may be made per year.

**Poultry Operation Application Schedules:** In poultry operations, the treatment interval depends on management and housing systems as well as on climatic conditions. It can vary from 10 to 60 days depending on insect population and pressure.

### TEKKO®10 Application in Cattle Operations:

Target Pests	Rates (Fl. Oz. /1,000 sq. ft.)	Application Instructions
House, Soldier and Dump Fly larvae	1.5 to 3.0	<p>Apply TEKKO® 10 directly to fly breeding sites around hay bales, dairy barns, cattle feedlots, and other premise areas as listed in the <b>Outdoor Perimeter Treatments</b> section.</p> <p>Apply in sufficient volume of water (up to 20 gals. per 1,000 sq.ft.) to uniformly and thoroughly wet the manure and other target areas; spray volume will vary depending on the depth of manure being treated.</p>
Stable Flies	3.0	<p>Apply TEKKO® 10 directly to hay feeding sites in cattle pastures.</p> <p>Apply in sufficient volume of water (5-10 gals. per 1,000 sq. ft.) to uniformly and thoroughly wet the target area.</p> <p>Apply in the spring after cattle have been removed from the site and before fly emergence begins.</p>

### TEKKO®10 Application in Hog Farms and Horse Barns:

Target Pests	Rates (Fl. Oz. /1,000 sq. ft.)	Application Instructions
Soldier and Dump Fly larvae	1.5 to 3.0	<p>Apply TEKKO® 10 directly to fly breeding sites around hay bales and other premise areas as listed in the <b>Outdoor Perimeter Treatments</b> section.</p> <p>Apply in sufficient volume of water (up to 20 gals. per 1,000 sq.ft.) to uniformly and thoroughly wet the manure and other target areas; spray volume will vary depending on the depth of manure being treated.</p>



**TEKKO®10 Application in Poultry Operations:**

<b>Application Site</b>	<b>Target Pests</b>	<b>Rates (Fl. Oz. /1,000 sq. ft.)</b>	<b>Application Instructions</b>
Broiler Houses and Layer Houses	Litter beetle larvae	1.5 to 3.0	Apply TEKKO® 10 to the litter surface as a fine mist. Use as little water as possible to get complete surface coverage. Apply 4-6 days prior to bird placement. It is best not to disturb the surface of the litter after the treatment has been applied. For the best results, applications need to be made to the surface of new bedding, or existing litter. If beetle populations are high it may be necessary to treat the entire floor area of the house. To achieve a faster reduction of the adult beetle population, the concurrent use of an EPA registered adulticide is recommended.
Broiler Houses	Soldier and Dump Fly larvae	1.5 to 3.0	Apply TEKKO® 10 - by spraying the entire manure area approximately 1 week after manure removal. Repeat treatment after each removal or when fly larvae are found. To achieve a faster reduction of the adult fly population, the concurrent use of an EPA registered adulticide is recommended.

(continued)

Application Site	Target Pests	Rates (Fl. Oz. /1,000 sq. ft.)	Application Instructions
Broiler Houses and Layer Houses	House Fly larvae	3.0	Apply TEKKO® 10 - by spraying the entire manure area approximately 1 week after manure removal. Repeat treatment after each removal or when fly larvae are found. To achieve a faster reduction of the adult fly population, the concurrent use of an EPA registered adulticide is recommended. To maintain control of house flies, reapply every two weeks while conditions favor fly development. Length of time for treatment depends upon management and housing systems as well as on climatic conditions.
Layer Houses	Soldier and Dump Fly larvae	7.5 to 15	Apply TEKKO® 10 - by spraying the entire manure area approximately 1 week after manure removal. Repeat treatment after each removal or when fly larvae are found. To achieve a faster reduction of the adult fly population, the concurrent use of an EPA registered adulticide is recommended.

**Use Restrictions:**

- (1) Do not apply TEKKO®10 directly to livestock or livestock feed as illegal residues may result.
- (2) Do not feed manure treated with TEKKO®10 to animals.
- (3) Do not contaminate feed troughs and water troughs
- (4) To avoid illegal residues, allow 1 day (24 hours) between last application and slaughter.
- (5) Facility treatments of manure can only be made to areas where cattle and hogs do not have access.
- (6) For poultry broiler operations, apply TEKKO®10 only between production cycles, and not while birds are in the houses.
- (7) For poultry layer operations, do not contaminate feed or water lines.

**OTHER INDOOR AND OUTDOOR USES**

**OUTDOOR PERIMETER TREATMENTS:** Prepare a diluted spray solution by adding 3 ounces per gallon of water into any low-pressure sprayer. At the rate of 1 gallon per 1,000 feet (1.2 ounces of finished spray/sq yard), apply in a band 2 to 4 feet adjacent to and around the structure and apply to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance (see approved use sites below).

If the treatment area is  $> 0.25$  acre for each application, do not exceed 8 application per year at 1.5 fl. oz./1000 ft<sup>2</sup> and/or Do not exceed 4 applications per year at 3 oz./1000 ft<sup>2</sup>.

If the treatment area is  $\leq 0.25$  acre (10, 890 ft<sup>2</sup>) for each application, do not exceed 12 applications per year at 3 oz/1000 ft<sup>2</sup>.

The reapplication interval is no less than 14 days.

For treatments to control house flies, the 3 fl. oz rate must be used.

**Use Sites:** Commercial buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use are non-food/non-feed areas of stores, warehouses, transportation equipment, manufacturing sites, industrial buildings, trucks and trailers.

**USE RESTRICTIONS:** Do not spray into the air. Do not spray when wind conditions could create a mist to blow back to the applicator. Do not apply this product in or around bodies of water. Keep children and pets away from treated areas until sprays have dried.

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited

**PESTICIDE STORAGE:** Store in a cool dry place away from heat or an open flame. Do not reuse or refill empty container.

**PESTICIDE DISPOSAL:** Wastes resulting from uses of this product may be disposed of on site, according to label directions, or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill empty container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure 2 more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## **LIMITATION OF WARRANTY AND LIABILITY**

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or

other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc. election, the replacement of product.

To the extent consistent with applicable law, buyer and user assume all responsibilities for safety and use not in strict accordance with directions.

**Control Solutions, Inc. is a member of the ADAMA Group.**

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