

# DARLEX®

## Insecticide

Darlex® Insecticide is the first darkling beetle product specially formulated for the poultry industry that contains clothianidin, proven to provide lasting control.

- Kills bed bugs, darkling beetles and nuisance ants
- Controls darkling beetles and their larvae



### PRODUCT SPECIFICATIONS

**Key Target Pest(s)** Darkling beetles, bed bugs and nuisance ants

**Signal Word** Caution

**Form** Concentrate

**Active Ingredient(s)** Clothianidin

**Class of Chemistry** Neonicotinoid (4A)

**Activity** Residual, kills on contact

**Mode of Action** Nicotinic acetylcholine receptor competitive modulator

**Stability** If frozen, thaw and shake before use

**Flammability** Not listed as flammable or combustible

**Odor** Mild

**PPE Requirements** Long pants, long sleeves, shoes and socks

**Retreat Interval** None listed

**Mix or Dilute In** Water only

**Shelf Life** 3 years or more in ideal storage conditions

### Packaging

- 1 gallon unit (4 per case)

### Use Sites

#### Indoor and Outdoor Areas of Poultry Housing

- Broiler
- Turkey
- Caged egg layer
- Breeder

***Animals cannot be present at the time of application***

### Application Methods

- Broadcast (interior)
- Spot treatment
- Crack and Crevice
- Whole house
- Banded

## Recommended Equipment

- Handheld and backpack sprayers
- Manually pressurized hand wands
- Truck mounted sprayers
- Power sprayers
- Mist blowers

## Mixing Instructions

- Fill the sprayer tank with half the total water, add the required amount of Darlex, then add the remaining water while mixing.
- Prepare a fresh mixture before each treatment.
- Maintain sufficient agitation throughout the application to ensure a uniform spray.

### APPLICATION METHODS FOR DARKLING BEETLE CONTROL

<b>Banded application</b>	Apply diluted product to a 3-5 ft. wide swath of floor area, making sure to get under all water and/or feed lines. Also apply 3-5 ft. swath along inside perimeter of side and end walls, including surface of footings and 1-3 ft. up walls and support beams.
<b>Whole house application</b>	Apply to entire floor, with special attention to areas beneath feed and water lines as well as lower sections of walls up to 1-3 ft. on wood surfaces above the foundation.

### To apply 4 fl. oz. Darlex Insecticide per 1,000 sq. ft.

Sq. Ft. of Area to be Treated	Fluid Ounces of Darlex Insecticide Needed	Total Volume of Water
500	2 fl. oz.	1/4–1 gallon
5,000	20 fl. oz.	2.5–10 gallon
10,000	40 fl. oz.	5–20 gallon
15,000	60 fl. oz.	7.5–30 gallon
20,000	80 fl. oz.	10–40 gallon

## Darlex Tips and Tricks From the MGK Technical Department

- Apply after de-caking, clean-out and sanitation procedures are complete, but prior to new flock placement.
- Darkling beetles can develop resistance to insecticides. Use Darlex as part of a rotational program with other classes of insecticides, such as pyrethroids, organophosphates, or spinosyns to combat resistance.
- Consider adding an insect growth regulator like NyGuard® IGR to break the darkling beetle reproduction cycle.

### MGK Sustainability in Action

- Water-based, non-flammable formulation concentrated to reduce transportation carbon emissions
- Container is HDPE and 100% recyclable
- Formulated in a production facility that uses 100% renewable energy
- Shipping cartons and paper labels are sourced from Sustainably Managed Forests
- Very low volatile organic compound

SCAN ME



Scan QR code or  
visit [mgk.com/darlex](https://mgk.com/darlex)  
to see resources and  
additional information

**Always read and follow all label instructions.**

***For any medical or safety questions, concerns, or incident reports, call 1-888-740-8712.***