



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

53883-543

Date of Issuance:

7/23/26

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

CSI 22-456 Spinosad

Name and Address of Registrant (include ZIP Code):

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 53883-543."

Continues page 2

Signature of Approving Official:

Digitally signed by Debra Rate
Date: 2026.07.23 16:32:16
-04'00'

Debra Rate, Acting Product Manager 11
Invertebrate & Vertebrate Branch 2, Registration Division (7505T)

Date:

7/23/26

3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 7/2/2025
- Alternate CSF 1 dated 7/2/2025

If you have any questions, please contact Christopher Taylor at 202-566-2928 or at taylor.christopher.m@epa.gov.

Enclosure

ACCEPTED

07/23/2026

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 53883-543

[Text in brackets and italics are notes to the label editor.]

[Text in brackets alone are optional statements or alternative statements.]

SPINOSAD

GROUP

5

INSECTICIDE

CSI 22-456 Spinosad

[ABN: Spyn-Off; Spin-Off Pro-Spins; Spin-Off Pro-Spin; Pro-Spin; Pro-Spyn]
[Insecticide]

[Control of darkling beetles, hide beetles, house flies (adults and larvae), stable flies, little house flies (*Fannia canicularis*) in and around agricultural animal premises.]

[Control of Northern fowl mites (*Ornithonyssus sylviarum*) and poultry red mites (*Dermanyssus gallinae*) infesting poultry.]

[Intended for use in and around agricultural [animal][livestock] premises [including [chickens,][poultry,] [horses*,][equine*,] [lactating and non-lactating][dairy][cows,][cattle,] [pigs,][swine,] [sheep,] and other listed agricultural areas [for the control of darkling beetles,] [hide beetles,] [house flies (adults and larvae),] [stable flies,][little house flies (*Fannia canicularis*),] [Northern fowl mites (*Ornithonyssus sylviarum*)] [poultry red mites *Dermanyssus gallinae*]].]

*not intended for human consumption

ACTIVE INGREDIENT:

Spinosad (a mixture of spinosyn A and spinosyn D) 44.2%

OTHER INGREDIENTS*: 55.8%

TOTAL: 100.00%



Manufactured for:
Control Solutions, Inc.
5903 Genoa Red Bluff
Pasadena, TX 77507

EPA Reg. No: 53883-XXX
EPA Est. No: _____
Net Contents: _____

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

[Alternate text – all or in part: See side panel(s) for Precautionary Statements, Directions for Use and Storage and Disposal.]

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates.

This product is highly toxic to mollusks. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning or disposing of equipment washwaters. Apply this product only as specified on this label.

Applying this product when rain is not predicted for the next 24 hours will help reduce potential risk to aquatic invertebrates by reducing pesticide runoff from the treatment area into water bodies.

This product is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

Physical-Chemical Hazards

Do not mix or allow coming in contact with Oxidizing agents. Hazardous Chemical reaction may occur

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

READ ALL DIRECTIONS COMPLETELY BEFORE USE.

Notice: Shake well before use. Avoid freezing.

MIXING FOR APPLICATIONS THAT REQUIRE DILUTION

This product is intended to be mixed with water and applied as a coarse or low-pressure spray. Fill the sprayer tank with water to about 1/2 of the total spray volume required. Start agitation and add the required amount of product. Continue mixing and agitation while filling the spray tank to the required spray volume. Maintain sufficient agitation during the application to ensure uniformity of the spray. Prepare spray fresh for each use.

PRODUCT INFORMATION

- This product may be applied as a general surface spray or a crack and crevice application. Applications may be made in and around poultry and livestock premises, including but not limited to poultry houses, beef and dairy barns, feedlots, stables, corrals and housing structures.
- This product may be used as a direct [on bird] treatment to control [Northern Fowl mites] [poultry lice] [listed pest] infesting poultry.
- Control is enhanced when interior and exterior perimeter applications are made in and around livestock and poultry structures. Normal sanitation practices of the structure consistent with good animal husbandry should be followed to enhance effectiveness of insect control agents.
- Beef cattle and lactating and non-lactating dairy cattle, swine, sheep and poultry may be present at the time of premise treatment. Horses not intended for human consumption may also be present at the time of premise treatment.
- Cover or remove exposed feed and water from the area being treated.

Restrictions

- Do not use in milking rooms.
- Do not apply as fog or space spray.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

TEMPERATURE AND HUMIDITY When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. x Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

APPLICATIONS

TO CONTROL	APPLICATION
House flies (adults and larvae) Stable flies Little house flies	2 fl. oz. (60 ml) this product in 10 gallons of water will treat 5,000 - 10,000 ft². Use enough water in a directed spray to contact flies and their resting surfaces. Spray thoroughly, but do not allow run-off to occur.
Darkling beetles Hide beetles	- Use enough water to ensure thorough coverage of the area treated, especially litter [along] [under] feed and water lines, walls and support beams. Use a sprayer of appropriate design that is equipped to effectively apply low to moderate volumes of [coarse] spray. - Low volume spray: Up to 15 gallons of diluted spray applied to 20,000 ft² - Moderate volume spray: Up to 40 gallons of diluted spray applied to 20,000 ft² 2 fl. oz. (60 mL) of product treats 5,000 ft² (8 fl. oz. of product treats 20,000 ft²). - For severe infestations, 4 fl. oz. of product may be used to treat 5,000 ft² (16 fl. oz. treats 20,000 ft²).
Northern fowl mite (<i>Ornithonyssus sylviarum</i>) [Poultry lice]	- Dilute 3 fl. oz. of product in 10 gallons of water. - Apply no more than 1 gallon of coarse spray per 100 birds to ensure adequate coverage, directed toward the vent area
Poultry red mite (<i>Dermanyssus gallinae</i>)	- Dilute 2 fl. oz. of product in 5 gallons of water. - This dilution treats 2,500 ft².

Poultry Houses

House Flies (adults and larvae), Stable Flies and little house flies: Treat areas where flies rest: pay attention to side walls, the ends of buildings, upper sides of posts, crossbeams, and manure. Spray in early morning when flies are resting. Use enough water in a directed spray to contact flies and their resting surfaces thoroughly, but do not allow run-off to occur. Do not contaminate feedstuffs, water or watering and feeding equipment with premise treatment. Re-application may occur every 7 to 10 days as needed, or when fly populations reach nuisance levels.

Darkling Beetles and Hide Beetles: Apply to floor area, especially to litter [around] [under] food and water lines and to walls and support beams, but do not allow run-off to occur. Application should also be made into cracks and crevices around insulation, and where pests have been seen or can find harborage. Reapply after each grow-out or sanitation procedure. Indoor control can be enhanced by making perimeter treatments to the outside of building foundations to prevent migrating adult beetles.

Egg Producing Poultry

Poultry Red Mites: Apply to areas where red mites live: this includes areas between joints, cracks and crevices, under bent surfaces, the ends of metal bars, any place where two surfaces connect, and any place where dust can accumulate. Application to these exposed and unexposed areas is required to obtain a complete and thorough treatment. Ensure a uniform spray with enough pressure to penetrate cracks and crevices where red mites are located during the day to achieve the highest efficacy.

Northern Fowl Mites: Spray birds in cages (layers) or on the floor (layers/breeders) with a coarse spray. Use a sprayer of appropriate design that is equipped to effectively apply the spray. Ensure adequate coverage of the birds' vent area with a direct saturation spray for optimum efficacy. Re-application may occur every 14 days as needed.

Livestock Housing

House Flies (adults and larvae), Stable Flies and Little house flies: Apply to vertical and overhead surfaces where flies may congregate. Feeders, waterers and feed carts should be covered before application to prevent contamination. Do not contaminate feedstuffs or water with premise treatment. Pay attention to animal areas including fence railings, alleyways, manure, stanchions, pipes, window and doors, and other areas where flies congregate. Spray in early morning when flies are resting. Reapplication may occur every 7 to 10 days as needed, or when fly populations reach nuisance levels.

Resistance Management

For resistance management, this product contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to this product and other Group 5 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same use sites. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of this product or other Group 5 insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pests.
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, historical pesticide use information and record keeping, and cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Control Solutions, Inc. at (800-242-5562).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container only, tightly closed in a secure place. Keep out of reach of children and domestic animals. In case of leak or spill, remove with absorbent materials and dispose of as waste.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: For Plastic containers < 5 gallons: Nonrefillable Container: Do not reuse or refill this 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 two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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.

WARRANTY STATEMENT

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. To the extent consistent with applicable law, such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. **CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, **IT IS CONTROL SOLUTIONS INC., AND SELLERS INTENTION THAT** in no event shall Control Solutions or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CONTROL SOLUTIONS, INC., AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

To the extent consistent with applicable law, Control Solutions, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Control Solutions, Inc.

Additional Marketing Claims

- Kills [darkling beetles] [litter beetles] [lesser mealworms]
- Controls [darkling beetles] [litter beetles] [lesser mealworms]
- Kills house flies
- Controls house flies
- Kills house fly larvae
- Controls house fly larvae
- Kills stable flies
- Controls stable flies
- Kills little house flies [*Fannia canicularis*]
- Controls little house flies [*Fannia canicularis*]
- Kills hide beetles
- Controls hide beetles
- Kills Northern fowl mites [*Ornithonyssus sylviarum*]
- Controls Northern fowl mites [*Ornithonyssus sylviarum*]
- Treat chickens directly for northern fowl mites
- Apply to [chickens] [layers] [and] [breeders] [to] [kill][control] northern fowl mites
- Use for rotational control of [house flies] [stable flies] [little house flies] [darkling beetles] [litter beetles] [lesser mealworms] [hide beetles]
- Treat chickens [directly] for Northern fowl mite control
- Kills poultry red mites [*Dermanyssus gallinae*]
- Controls poultry red mites [*Dermanyssus gallinae*]
- Can be applied when [listed livestock] [cattle] [poultry] are present
- 16 ounces treats 20,000 square feet for darkling beetle control