



INSECTICIDE

# PRO-SPIN

**PRO-SPIN** is a spinosad formulation labeled for the control of beetles, flies, and mites in and around livestock and poultry housing and mites infesting poultry (on bird application).

## Features & Benefits

**Flexible.** Suitable for application in all types of poultry or livestock facilities, whether animals are present or not. Effective against Northern fowl mites on birds, and safe for use in and around both lactating and non-lactating dairy and beef cattle, swine, and sheep barns.

**Simplicity.** One pint bottle treats a 20,000 ft<sup>2</sup> broiler house at the high label rate.

**Efficacy.** Using spinosad for 3 consecutive broiler flocks increased the susceptibility of pyrethroid resistant litter beetles to lambda-cyhalothrin and cyfluthrin by 3.6x and 3.4x, respectively. (Lambkin and Furlong, 2014).

## Effective Against

Darkling/litter beetles, hide beetles, house flies (adults and larvae), stable flies, little house flies, Northern fowl mites, and poultry red mites.

## Use Sites

General surface spray or crack and crevice treatment in and around poultry and livestock premises, including but not limited to poultry houses, beef and dairy barns, feedlots, stables, corrals, and housing structures.



## Active Ingredient

44.2% Spinosad

## Packaging

6 x 1 Pint  
(160 cases/pallet)



Always read and follow product label directions.

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Control Solutions Inc.

PRODUCTION ANIMAL

# PRO-SPIN

## Rotation Recommendation

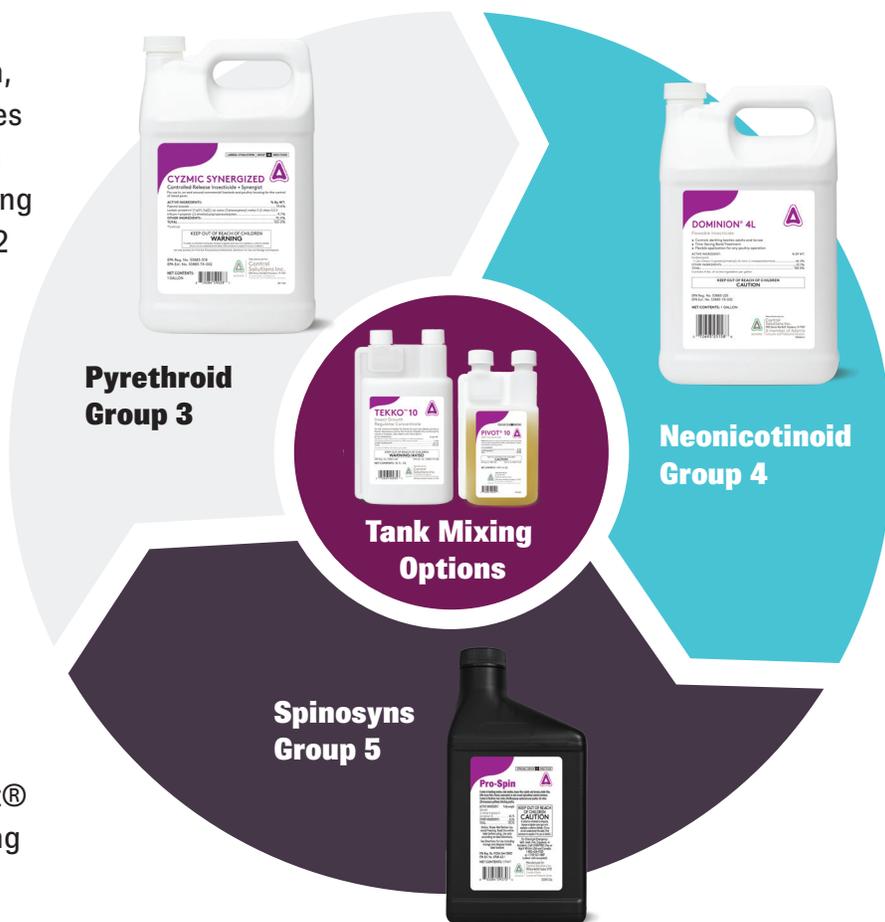
It is important to rotate Pro-Spin, a spinosyn, with the pyrethroid and neonicotinoid classes to manage insecticide resistance. Use each class for 6 consecutive months before rotating to another class. This will give each class 12 months of "rest".

The recommended order of rotation is:

- (1) pyrethroid (Cyzmic® Synergized or Permethrin CS if in California);
- (2) neonicotinoid (Dominion® 4L); and
- (3) spinosyn (Pro-Spin) before starting the rotation again with a pyrethroid.

## Tank Mixing

Pro-Spin can be tank mixed with an insect growth regulator such as Tekko® 10 or Pivot® 10 to prevent immature insects from reaching the adult stage and increase the level of control.



## Application Rates

Pests	Application Rate	Gallons of Water
Darkling Beetles (Litter Beetles, Lesser Mealworms), Hide Beetles	0.4-0.8 oz./1,000 ft <sup>2</sup>	0.75 - 2.0/1,000 ft <sup>2</sup>
House flies (adults and larvae, Stable flies Little house flies	0.2 - 0.4 oz./1,000 ft <sup>2</sup>	1.0 - 2.0/1,000 ft <sup>2</sup>
Northern Fowl Mites	3 oz./10 gallons of water	1 gallon of solution/100 birds
Poultry Red Mites	2 oz./5 gallons of water	5 gallons of solution/2,500 ft <sup>2</sup>



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