

# Electro<sup>®</sup> PSP directions for use

Electro PSP from Elanco is a revolutionary new insecticide which controls darkling beetle in and around poultry sheds. Applied as a low-pressure spray to clean floors before litter is placed, Electro PSP controls darkling beetle, thereby suppressing population build-up during spring and summer.

## Elanco DefenceSequence<sup>®</sup>


Electro PSP should be applied as part of an integrated pest management program (e.g. the Elanco DefenceSequence) to extend the field efficacy of insect control agents and to help minimise the build-up and carry-over of resistant insect populations. This program includes rotation with other insecticides with different modes of action, in conjunction with management practices. These include spraying sheds in winter to control beetle populations when they are low, regular litter removal or the use of compacted or concrete flooring.

The best program for your production system will depend upon a number of factors, such as your litter replacement program, season and severity of beetle challenge. Ideally, litter should be cleaned out and replaced after every batch. However, it is acknowledged that many broiler farms re-use a portion of the litter at the end of each batch.

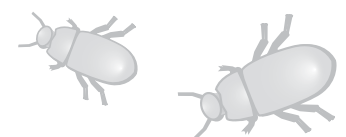
## In general:

- The recommended annual program should commence in winter.
- The recommended annual program should involve three consecutive applications of Electro PSP followed by the application of a registered insecticide which is known to be effective against local beetle populations.\*
- Do not apply more than three applications of Electro PSP to any one shed in any one year.
- For best results, apply Electro PSP to clean floor areas immediately before litter is spread. Do not apply to litter.

## Example of Elanco DefenceSequence for darkling beetle

	<b>Batch</b>	1	2	3	4
	<b>Product</b>	Electro PSP	Electro PSP	Electro PSP	Rotate to another insecticide which has a different mode of action (e.g. OP or SP)*
	<b>Dosage</b>	1,600 ppm	800 ppm	800 ppm	As per label instructions

*\*Only rotate if the local beetle population is known to be susceptible to the active ingredient in the selected insecticide. To determine the susceptibility of your local beetle population to various insecticides, contact QDPI&F Senior Entomologist, Trevor Lambkin, on 13 25 23.*



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# Electro PSP directions for use



## Mixing procedure

The spray tank should be rinsed well before preparing dilutions of Electro PSP. Half-fill the spray tank with water and engage the agitation system. Add the required amount of Electro PSP and then fill the spray tank to the required volume. Rinse empty container and add rinse water to the spray tank. Maintain agitation throughout application to ensure uniformity of the spray. Prepare fresh spray each day. The physical and chemical compatibility of Electro PSP with other insecticides or treatments has not been determined.



## Application guidelines (darkling beetle)

Apply Electro PSP as a low-pressure coarse spray to clean floor areas immediately before litter is spread. Apply to floor area, especially under feed and water lines, and to walls and support beams. Application should also be made into cracks and crevices around insulation or wherever pests have been seen or can find protection. Control can be enhanced when normal perimeter applications are made in and around poultry structures to prevent adult beetles from migrating indoors.

	Darkling beetle (light infestations) and nuisance flies	Darkling beetle (heavy infestations)
Mixing rate	250 mL per 150 L water (16.7 mL/10 L)	250 mL per 75 L water (33.3 mL/10 L)
Concentration of final spray	800 ppm	1,600 ppm
Application volume	1 L / 12 m <sup>2</sup>	1 L / 12 m <sup>2</sup>
One 1 L pack makes	600 litres of spray, sufficient to treat 7,200 m <sup>2</sup>	300 litres of spray, sufficient to treat 3,600 m <sup>2</sup>

For more information contact Elanco on 1800 226 324.

\*Elanco®, Electro®, DefenceSequence® and the diagonal colour bar are trademarks of Eli Lilly and Company. ©Electro is a trademark for Elanco's brand of spinosad. WORDSMITH27128

## Application guidelines (nuisance flies, poultry sheds only)

Apply Electro PSP as a directed spray to surfaces where flies rest, including sidewalls, building ends and the upper sides of posts and crossbeams. Spray early in the morning when flies are resting. Targeting breeding areas, such as manure heaps and other areas of decaying organic matter, can enhance control. Refer to the label instructions for use in beef, dairy or horse premises.

## General guidelines

Normal sanitation practices of the structure consistent with good animal husbandry should be followed to enhance the effectiveness of insect control agents. Allow surfaces treated with sanitation treatments to dry before applying Electro PSP. Do not apply to where birds could be exposed to direct spray. Remove or cover all feed, feed troughs, water troughs from the area being treated and allow treated surfaces to dry completely before restocking. Do not use in poultry layer systems where birds are in continual contact with treated surfaces. Do not apply as a fog or space spray. Do not allow Electro PSP concentrate, spray run-off or used containers to enter dams, ponds, waterways or drains. Avoid direct application or spray drift on to bee hives.

## Withholding periods

**Meat:** Do not slaughter for human consumption for 21 days after introduction to treated areas in situations where animals have access to treated surfaces (e.g. broiler sheds or poultry systems with litter on floors or in nests).

**Eggs:** No withholding period is required when used as directed.

**Always read the label direction before use.**



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