

## STRAWBERRY APHID SPRAY STRATEGIES

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### SPRAY STRATEGY OPTIONS FOR PLANTING YEAR (NON-FRUITING) STRAWBERRIES:

There is an emphasis on strawberry aphid management in **newly planted fields** because infection in the planting year can result in significant yield and quality loss in fruiting years. A soil drench (Admire 240 F or Alias 240 SC (imidacloprid, group 4A)) is an attractive management option for newly planted fields because they are fully systemic and provide 3-4 weeks protection. If the strawberry aphid flight is still underway after the first treatment has worn off, follow-up with products from a different group. **Soil drench applications should provide good strawberry aphid control but will limit the use of other group 4A insecticides (Admire 240 F, Assail 70 WP, Clutch 50 WDG or Actara 240 SC) for the rest of the season in that field for any pest.**

	PRODUCT & TIMING	NOTES
<b>OPTION A:</b> <u>STEP 1</u>	<b>Apply Admire 240 F or Alias 240 SC at soil drench rate</b> at first report of winged aphids in your area.	The soil drench should protect your strawberries from immigrant aphids for 3-4 weeks <u>if</u> properly applied!
<b>OPTION A:</b> <u>STEP 2</u>	3-4 weeks following application of soil drench <b>alternate applications of Cygon 480-Ag and/or Lagon 480E, Exirel, Sivanto Prime, and Beleaf 50 SG until the flight collapses.</b>	When Admire 240 F soil drench is used it cannot be followed with a subsequent application of other group 4 Insecticides (Admire 240 F or Assail 70 WP).
<b>OPTION B:</b>	<b>Alternate applications of Admire 240 F (foliar rate), Cygon 480-Ag and/or Lagon 480E, Assail 70 WP, Exirel, Sivanto Prime, and Beleaf 50 SG at recommended intervals until the flight collapses.</b>	Admire 240 F and Sivanto Prime may be applied multiple times per season (check product label for specifics) and their use does not preclude the application of other group 4 Insecticide.

### SPRAY STRATEGY OPTIONS FOR FRUITING YEAR STRAWBERRIES:

For fruiting fields that are intended to be carried-over, spring monitoring for aphids is very important to determine the need for controls to limit population build-up prior to the flight period. Pre-harvest sprays favor Admire 240 F (at the foliar rate), Cygon 480-Ag and/or Lagon 480E (dimethoate, group 1B), and Sivanto Prime. During harvest rotate products with short pre-harvest intervals, such as Sivanto Prime (flupyradifurone, group 4D), Exirel (cyantraniliprole, group 28), Beleaf 50 SG (flonicamid, group 9) and Assail 70 WP (acetamiprid, group 4A). **Sivanto Prime is systemic and is said to have residual activity of 2 weeks, allowing you to stretch out your spray schedule.**

Fruiting fields that will be removed after harvest have the lowest priority for aphid management. However, they may also have the highest virus infection levels and thus inoculum levels, making them a high risk to other fields. Spring egg and leaf monitoring are critical in these fields. If needed, pre-

harvest sprays should be considered for aphid management and to limit virus transmission to new fields. If a strong aphid population is found, consider managing these fields through harvest and remove them immediately after harvest to minimize the risk of virus movement into newer fields.

**Step 1:** At first report of winged aphids in your area, **begin alternating Admire 240 F (foliar rate), Cygon 480-Ag and/or Lagon 480E , and Sivanto Prime up to 7 days before expected harvest.**

**Step 2:** At the beginning of harvest, **alternate Beleaf 50 SG (0 days pre-harvest interval), Sivanto Prime (0 days pre-harvest interval), Exirel (1 day pre-harvest interval) and/or Assail 70 WP (1 day pre-harvest interval) at recommended intervals until harvest is complete, or when the flight collapses – whichever comes first.** The short pre-harvest intervals of Beleaf 50 SG, Sivanto Prime, Exirel and Assail 70 WP make it possible to apply these products safely during harvest but please respect the 1 day pre-harvest requirement of Exirel and Assail 70 WP as well as any re-entry periods indicated on the respective labels. Continue alternating aphid control products until the flight collapses provided you haven't already exceeded the legal number of applications stated on the label.

Note: Beleaf 50 SG may be applied 3 times per season; Exirel can be applied 4 times per season; Sivanto Prime may be applied up to 2000 mL/ha per season; and Assail 70 WP may be applied twice per season.

Note: Please read all labels carefully for any other warnings and cautions that are not identified in this newsletter.

*This publication was compiled by representatives from Perennia using information from the Pest Management Regulatory Agency of Health Canada, specific pesticide labels and manufacturer's information. This information is continuously changing and therefore it can cease to be current and accurate. Pesticide labels are the best source of information and should always be consulted prior to using a product.*

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