

Surround[®]

Crop Protectant

Shield Almond Trees From Damaging Insects

Developed in conjunction with the United States Department of Agriculture (USDA), Surround is formulated to suppress insect activity and can be a valuable tool in almond IPM programs. Surround is an EPA-registered insecticide that, in particular, helps suppress damage caused by aphids, navel orangeworm and other insect pests such as stink bugs in almonds. In addition, Surround may be used to maximize the effectiveness of conventional insecticides by avoiding overuse, thus minimizing the likelihood of insect resistance.



Navel Orangeworm

Surround functions best when used as a preventive program, applied to the tree before the pest appears. Surround will reduce pest pressure and may eliminate the need for additional treatments. If pest pressure reaches an economic damage threshold, a knockdown insecticide should be used. Surround may be tank mixed with most crop protection products.

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Nine Ways Surround May Suppress Insect Pests

1. Repellency
2. Impedes egg laying
3. Reduces feeding
4. Impedes grasping
5. Restricts movement
6. Disrupts host plant recognition
7. Reduces fecundity
8. Induces paralysis
9. Causes mortality

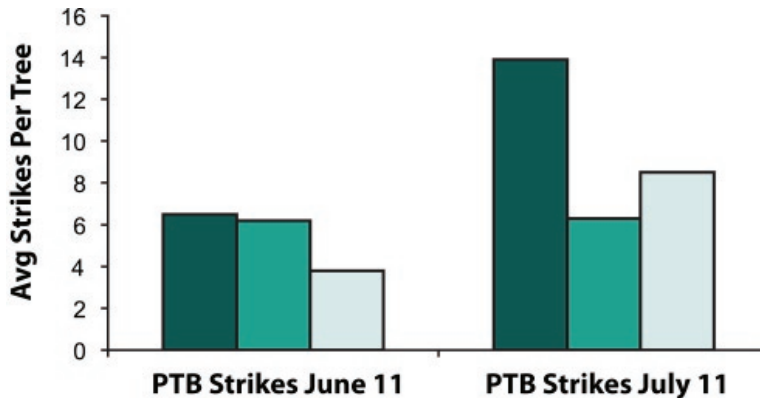
TESSENDERLO KERLEY, INC.
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Customer Service:
1-800-525-2803
1-602-889-8300

www.novasource.com

Impact of Surround on Peach Twig Borer (PTB)* Shoot Strikes - Almonds

RL Kirkland, California 2002



Application Timing:
Surround - May 8, 17; June 4
Lorsban 4E - May 17

Rate:
Surround - 50 lb/A
Lorsban 4E - 4 pt/A

* Note: Surround is not currently registered for control of this pest



TGEQO OGP F CVKQP "HQT" PWV "ETQRU

Volume: Hqt"42/hqqv"vtggu"wug"422" i cmnqpu"rgt"cetg0"Nct ig"vtggu"nkmg" y cnpwv"cpf" rgecp"ecp" tgs wktg"wr"vq"522" i cmnqpu"rgt"cetg0"

Concentration<"Wug"47"vq"72"ndu"rgt"322" i cmnqpu"qh" y cvgtf0"

For Tree Nuts, such as almond, beech nut, Brazil nut, butternut, chestnut, ecujgy."Łndgtv." j kemqt {"pwv." o cec f c o kc"pwv." rgecp." y cnpwv"cpf" r kuvce j kq0

Pest	Lbs/Acre	Application Instruction
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*50 lbs per 200 gallons per acre preferred. EEQ.ã& [{]] ^c^Á& [{ } c [í]á•Á} ^áááÉ& [{ }] •iã^Á^ •á} *Á•~]] ^ { ^ } cæ]á& [{ } c [í]•ÉÁ		

Application Tips

- É Avoid foliage run-off. Apply spray volume that will achieve near-drip coverage.
- É Dguv"tguvnvu"wuwcnn {"cejkgxgf"cv"47/72"ndu"rgt"322" i cmnqpu0
- É Surfactants may improve spreading.
- É Eqpuwv"vjg"urgek o gp"ncdgn"hqt"kpvtvewkqpu"qp"cgtken"cr rnkcevkqp0
- É See Surround spray guide for more information on effective application techniques.

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