

Section 18 Approved for Bifenthrin on Apples, Peaches, Nectarines for Control of Brown Marmorated Stink Bug in NC

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The US-EPA has renewed emergency exemption uses (Section 18) for the pyrethroid bifenthrin for control of the brown marmorated stink bug on apples, peaches and nectarines. This was submitted as a regional request and applies to the mid-Atlantic states of DE, MD, NC, NY, NJ, PA, VA and WV.

Bifenthrin is a pyrethroid insecticide that is sold under various names, but this Section 18 applies only to the brand names Brigade 2EC (FMC Corp.) and Bifenture EC and 10DF (UPI Inc.). Label rate for all bifenthrin products is 0.08 to 0.2 lbs a.i./acre, which for Brigade 2EC and Bifenthrin 10DF is 12.8 to 32 oz, and for Bifenture EC is 5.12 to 12.8 oz. Do not exceed a total of 0.5 lbs a.i./acre of bifenthrin per season. The re-entry interval is 12 hr and the preharvest interval is 14 days. Do not graze livestock in treated orchards or cut treated cover crops for feed.

Together with the Section 18 for the neonicotinoid dinotefuran (available as both Venom and Scorpion), tree fruit growers have two highly effective products with different modes of action and preharvest intervals for control of brown marmorated stink bug. Bifenthrin with a 14-day preharvest interval is recommended for midseason applications, while dinotefuran with a 3-day preharvest interval is recommended for applications closer to harvest.

When applying any of these materials for BMSB control on tree fruits, growers must have possession of the Section 18 label. Labels are available at the following links:

Brigade: www.ces.ncsu.edu/wp-content/uploads/2014/02/Brigade-WSB-sec-18-final-labeling-6.24.14.pdf

Bifenture: www.ces.ncsu.edu/wp-content/uploads/2014/02/Bifenture-final-label-7.2.14.pdf

Scorpion: www.ces.ncsu.edu/wp-content/uploads/2014/02/Scorpion-final-labeling-6.9.14.pdf

Venom: www.ces.ncsu.edu/wp-content/uploads/2014/02/Venom-final-labeling-6.9.14.pdf