



# APPLICATION GUIDE

## FOR ANNUAL BLUEGRASS WEEVILS



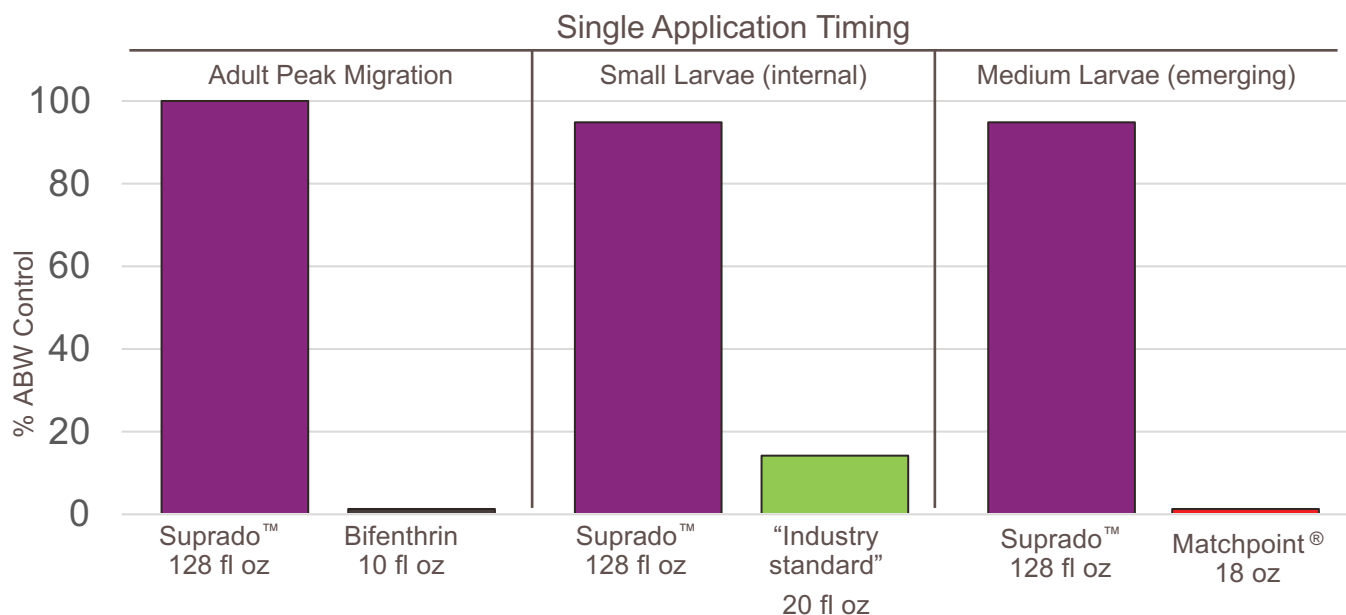
### USE RATE / LIMITS

- Optimum rate: 128 fl. oz. / acre/application
- Allow 30 days before repeat application
- Do not exceed 9.2 quarts / acre / year. This allows for 2 applications at the 128 fl. oz. rate or 3 at the 96 fl. oz rate.

### APPLICATION RECOMMENDATIONS

- See reverse side for ABW scouting and application timing recommendations
- SHAKE WELL
- Apply in a spray volume of 2 gallons /1,000 ft<sup>2</sup> to penetrate the canopy and thatch

### ABW CONTROL, PYRETHROID-RESISTANT POPULATION



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Field trials were conducted by Penn State University.

## MONITORING ABW GROWTH STAGE

Frequent scouting and utilizing growing degree day (GDD) trackers are key to predicting ideal application windows for an ABW program. Due to Novaluron's unique ability to control multiple life stages of ABW, Suprado offers **flexible application timing**, providing applicators with exceptional control and less stress! For optimal application timing, Suprado is most effective at preventing damaging ABW larvae when targeting the following growth stages:

- **Adult Peak Migration and up to 7 days after –**  
120 – 170 GDD (forsythia ½ gold : ½ green)
- **Small Larvae (L1-L2) feeding internally –**  
dogwood and redbuds in full bloom
- **Medium Larvae (L2.5-L3) emerging from stems –**  
rhododendrons in full bloom

## PROGRAM APPROACH

- » **Program A** outlines the optimal application timing and is designed to prevent adults from producing a first wave of larvae. This is an ideal approach against pyrethroid-resistant populations.
- » **Program B** targets small, internal-feeding larvae and is the best option if the first application of Suprado is made after peak adult migration.

## ABW PROGRAM APPROACH

ABW Growth Stage	Over-winter	Adult Peak Migration and up to 7 days after	Hatch-Small Larvae (L1-L2) Inside Stems	Medium Larvae (L2.5-L3) Emergence from Stems	Large Larvae (L4-L5) Feeding on Crowns/Damage	As needed: 2nd Generation Adults/Overlapping growth stages
Plant Phenology	Forsythia full Bloom	Forsythia 1/2 gold: 1/2 green	Dogwood/Redbud full bloom	Catawba Rhododendron full bloom		
Program A		Suprado [15] 4 quarts/acre	Contrado [28] 16 fl oz/acre		Trichlorfon [1B], Spinosad [5], or Indoxacarb [22]	Suprado [15] 4 quarts/acre
Program B		Bifenthrin [3A] or Chlorpyrifos [1B]	Suprado [15] 4 quarts/acre		Trichlorfon [1B], Spinosad [5], or Indoxacarb [22]	Suprado [15] 4 quarts/acre

Brackets indicate IRAC classification. Based on mode of action. Rotation of chemical classes as illustrated is an important practice to prevent the development of resistance for any product over time.



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