

C10-P

SERENADE BIOFUNGICIDE CONTROLS A WIDE RANGE OF FRESH MARKET PLANT DISEASES

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Serenade (*Bacillus subtilis*) biofungicide (QRD 137, QRD 131, QRD 132) is a new biologically based fungicide/bactericide registered for use against a wide range of vegetable diseases in the U.S. Serenade delivers consistent disease control with a novel mode of action by preventing pathogen spore germination, disrupting germ tube and mycelial growth, and producing a zone of inhibition where applied. This biofungicide is OMRI approved for organic production, is compatible with IPM programs, has a 0 day preharvest interval, and a 4 hour re-entry interval. It has no restriction on the number of applications per crop and may be alternated with other registered products to aid in resistance management. Serenade has been shown in numerous vegetable field trials in the U.S. to be effective in controlling a wide range of plant pathogens in fresh market vegetables. Some examples include bean rust and white mold of snap beans (*Uromyces appendiculatus* and *Sclerotinia sclerotiorum*), powdery mildew of cucurbits (*Erysiphe* and *Sphaerotheca* spp.), head and leaf drop of leafy vegetables (*Sclerotinia* spp.), bacterial spot of pepper (*Xanthomonas* spp.), and tomato early blight and bacterial spot (*Alternaria solani* and *Xanthomonas* spp.). Uses continue to be discovered for this versatile plant disease control product.