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Sent: Friday, February 21, 2003 2:05 PM
Subject: New Biopesticide Active Ingredient *Bacillus licheniformis* Approved

Courtesy of Audrey Moore, USEPA Region 2 Regional Ag Policy Specialist

New Biopesticide Active Ingredient *Bacillus licheniformis* Approved

Strain SB3086 is a naturally occurring strain of *Bacillus licheniformis* bacteria used to treat **ornamental plants and ornamental turf to prevent or control many fungal plant pathogens**. The *B. licheniformis* product registered by Novozymes Biologicals, Inc. is approved for treatment of ornamental turf, lawns, golf courses, sports turf, turf farms, ornamental plants, conifers and arbor culture. It is also approved for treating ornamental plants and conifers in greenhouses and nurseries. The approved use sites do not include food or feed so there no requirement of a tolerance to be established.

Although published literature associating *B. licheniformis* with reproductive failures and mastitis in cattle, sheep and swine have been reported no adverse effects on humans or the environment are anticipated based on the non-food/ non-feed use pattern and the strain-specific data submitted.

The Master Label submitted for registration lists the product name as **GREEN-RELEAF 710-140**. This label bears directions for both **commercial and homeowner use**; keep in mind that the manufacturer is not required to market all uses it is registered under. It is a concentrated suspension of bacterial spores of the organism *Bacillus licheniformis* SB3086 that is applied as a **foliar spray or soil drench** on the sites listed above.

It is a biofungicide for preventive or curative treatment of a **variety of fungal diseases** such as Dollar Spot, Red Thread, Leaf spot/Melting Out, Rust, Alternaria Leafspot/Leafblight, Anthracnose Leaf Blotch/Spot, Cecospora Leafspot, Fusarium Leafspot, Phyllostica Leafspot, Phytophthora Leaf Blight/Dieback, Powdery Mildew, Septoria Leafspot and Volutella Leaf Blight. The Master Label lists 62 targeted diseases. If you would like the list, please contact me as listed below.

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