

NEW DEVELOPMENT IN TURFGRASS INSECT CONTROL

After 7 years of testing, federal label approval for a new organophosphate insecticide manufactured by the Ciba Geigy Corporation was submitted to the EPA in 1982. Previously known only as CGA-12223, the new product will bear the trade name "TRIUMPH™". Three formulations will be made available: a 4E (emulsifiable) liquid for professional use by golf courses and the lawn care industry; and 1% granular and 1% emulsifiable formulations for home and garden use. Requests for approval of the 1G and 1E formulations were submitted June 1982 and November 1982 for the 4E. Approval is expected in 1983. If registration is granted, the product should be available in late 1983 or early 1984.

The toxicology of technical grade TRIUMPH™ shows it has an acute oral LD₅₀ (rat) of 100 mg/kg, acute dermal LD₅₀ (rat) of 700 mg/kg and an acute inhalation LC₅₀ (rat) of 1,500 mg/m₃. These characteristics place the insecticide in the moderately toxic category.

Research data on the effectiveness of TRIUMPH™ shows it to be very effective against a broad range of turfgrass pests, including: grubs, chinchbugs, billbugs, sod webworms and cutworms. The label rate for grubs is expected to be 2 lb. AI (active ingredient)/acre, and 1 lb. AI/acre for surface insects. Rapid effectiveness against grubs and the fact that the material moves through thatch readily, are two of its advantageous characteristics. The duration of residual effectiveness against grubs is still under investigation.

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The Chicago bench mark is on the corner stone of the Northern Trust Bank, La Salle and Monroe Streets. This mark is a quarter sized red spot and is the point of reference, or datum, for Chicago's height above sea level, which is 579.88 feet. It was placed on the bank because the building is on bedrock and thus cannot settle. The height of all other points (ground level points that is) is gauged in relation to it. For instance, the highest point within the confines of Chicago borders is at 92nd St. and Western Ave., where the elevation is 672.38 feet above sea level. The term sea-level refers to the height of the mean tide in New York harbor.

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