

# You Came, You Sprayed, You Conquered.

## Triumph®



### 90% grub control in 2 to 3 days.

Triumph®. The newest liquid form of grub control for lawn care professionals is here, and now available through your Lebanon Total Turf Care representative.

Backed with over 10 years of major university and independent research, new Triumph insecticide provides fast, effective control of white grubs and surface feeding insects in home lawns.

Within two days of application, Triumph is hard at work, controlling grubs, sod webworms, armyworms and mole crickets. Insect problems are eliminated quickly and easily, before serious injury has occurred to your customer's turf and to your company's reputation.

Triumph can also be used as a preventative, to stop damage before it starts with an application from July to October.

For more information on how you can Triumph over insects and grubs, call our Greenline at 1-800-233-0628 or contact your local Lebanon representative today.

# Lebanon

## TOTAL TURF CARE

A division of Lebanon Chemical Corporation  
P.O. Box 180 • Lebanon, PA 17042

Triumph® is the registered trademark of CIBA-GEIGY. Always read and follow label directions. Triumph is a restricted use pesticide and is not for use on sandy soils. Not to be sold or used in New York. For retail sale to and use by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator certification.

Circle No. 126 on Reader Inquiry Card

vice president of research.

"The research is directed at finding hormones that are present in very tiny amounts in the insects," says Sandmeier. "We isolate these neuropeptides from insects using sophisticated separation techniques and bioassays to identify the principles."

Although the United States is leading the world in biotechnological research, Sandoz Crop Protection president and CEO Dale Miller believes more domestic support is needed to maintain that lead.

"For it (biotechnology) to become the work-horse tool that can light a fire under American farm production," says Miller, "the government must get squarely behind the next stage of development, and push."

According to Miller, the United States is in danger of losing its leadership position in biotechnology due to governmental footdragging and a complicated bureaucracy. A strong supporter of product testing, Miller believes that "if laws and regulations were written with an eye to the potential economic advantage that biotechnology offers to American agriculture...more effort would be made to streamline the system." □



Miller

### RESEARCH

#### Ryegrass mixture yields top turf

RIVERSIDE, Calif. — A University of California overseeding trial combining perennial and intermediate ryegrasses has produced a better quality turf.

The field trial was conducted on a common Bermudagrass fairway at a local golf course. The trial tested annual ryegrass, Palmer perennial ryegrass,

A agree intermediate ryegrass and a 50/50 mix of the perennial ryegrass and intermediate grass.

Each of the grasses and the ryegrass mix were established in late September on 50 sq. ft. plots and seeded at 100 to 600 lbs./acre rates.

Researchers concluded that:

- Annual ryegrass established quicker and was first to transition in spring;

- The initial stand of overseeding grass was directly dependent on the seeding rate, irrespective of species, with the higher seeding rates yielding a more quickly-acceptable grass stand;

- A seeding rate had little effect on the mature overseeding in terms of percentage of cover;

- A reasonable seeding rate, irrespective of species, was the 300 to 400 lbs./acre rate.

The study was conducted by John Van Dam, U.C. Cooperative Extension farm advisor, assisted by Victor Gibeault and Richard Autio. □

### INDUSTRY

#### Dow and Lilly in joint venture

MIDLAND, Mich. — Dow Chemical Co. and Eli Lilly Co. are combining their worldwide agricultural chemical divisions to form one of the six largest agricultural-chemical concerns in the world.

The joint venture, to be called Dow Elanco Inc., will be formed by consolidating Dow's plant science business, Dow Agricultural Products, and its pest control business with Lilly's plant science business, Elanco Products Co. The joint venture is expected to reach sales of about \$1.5 billion in its first year, according to Dow.

The new company plans to build a \$35 million research facility in Indianapolis. It will be staffed by 2,800 employees, largely in marketing, sales and re-