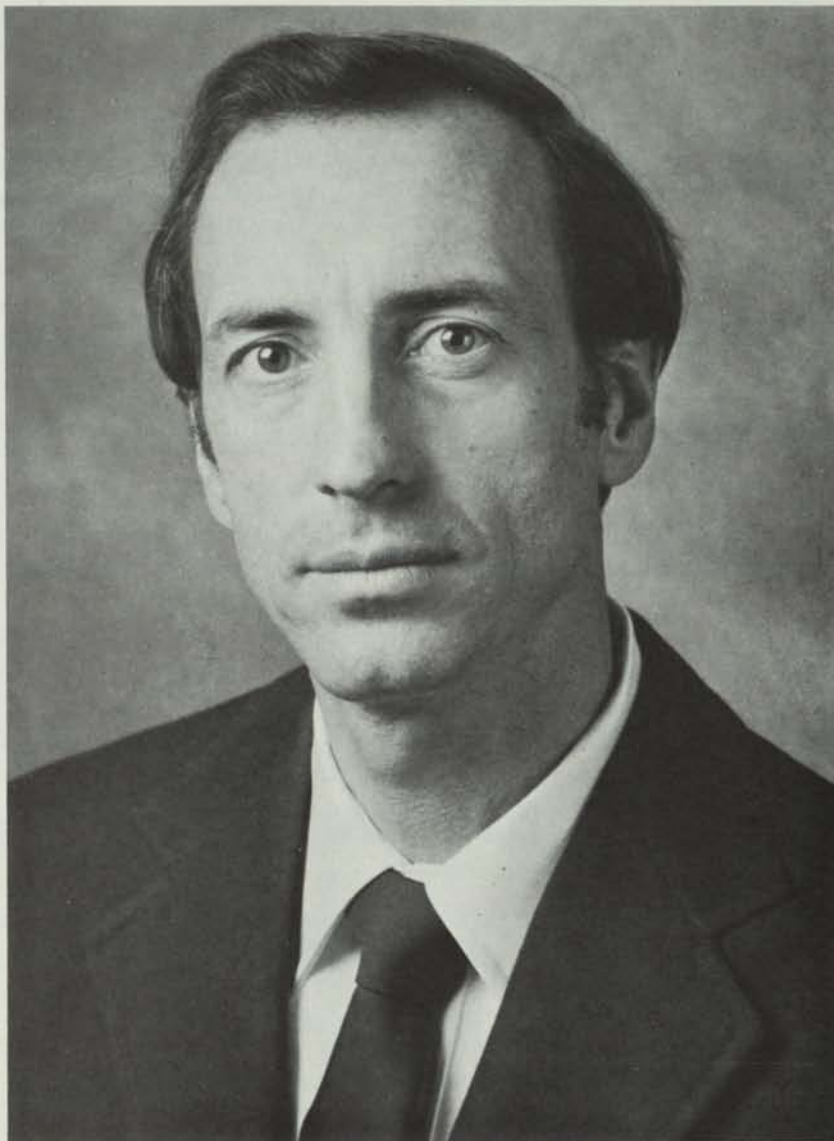


Congratulations to our new G.C.S.A.A. president, **Mike Bavier**, C.G.C.S. Supt. at Inverness Country Club, Palatine, Illinois. Mike was elected president at the G.C.S.A.A. annual conference, Anaheim, California, 1981.



TUCO OFFERS BIOLOGICAL INSECTICIDE FOR MULTIPLE CROP USE

A biological insecticide, *Bacillus thuringiensis*, is now available from TUCO Plant Health, Division of The Upjohn Company. To be marketed by TUCO as SOK-Bt, the product is labeled for use against many harmful insect species on many plants.

Bacillus thuringiensis is a spore-producing bacteria that produces a diamond-shaped protein crystal. When ingested by susceptible insects, this crystal produces a toxin that disrupts the wall of the digestive tract, enabling bacteria to invade and kill the insect.

SOK-Bt is labeled for use on crops such as lettuce, cole crops and other vegetables, alfalfa, cotton, tobacco, soybeans, potatoes, berries, grapes, watermelon, nut trees, fruit trees, ornamentals and stored grains.

Susceptible insects include cotton bollworm, tobacco budworm, hornworm, cabbage looper, alfalfa caterpillar, imported cabbageworm, numerous moths and many others.

"SOK-Bt is available in wettable powder and liquid form", says L. "Casey" Jones, TUCO Product

Manager. "Both formulations provide effective insect control under a variety of situations on such tender crops as celery, lettuce, tomato, broccoli, brussel sprouts and cabbage. Plus, since it's a biological insecticide, it is produced from renewable resources, rather than from unrenewable fossil fuel supplies."

According to Jones, SOK-Bt contains the most potent strain of *Bacillus thuringiensis* available in the U.S. However, because of excellent historical selectivity, this biological insecticide is exempt from tolerance requirements.

"These bacteria are considered harmless to mammals, birds, fish and many beneficial insects," reports Jones. "They affect only insects with a specific pH or a specific enzyme in their digestive tract. This bacterial strain does not affect bees and many insect and mite predators that are an important part of Integrated Pest Management programs," he says.

"Easy to handle and use, the product will effectively protect many plants from some of the most damaging lepidopterous larvae," Jones points out. "Proper timing is essential for effective applications; insects are most susceptible when young."

More information on this new biological insecticide is available from: "SOK-Bt," TUCO, Division of The Upjohn Company, 9823-190-0, Kalamazoo, Michigan 49001.