



(left) Terry Buchen and Gene Palrud



(left to right) Harry Nielsen, Bill Saielli Jr.  
and Bob Block



(left to right) Adolph Bertucci, Jerry Dinelli, Pat Ryan,  
Ron Rossett and Fred Opperman



Gabe Rossett



The SPRAY-HAWK, a precision mobile turf sprayer, is being introduced this spring by Mallinckrodt Chemical Works.

It was designed for use on greens and other areas where accuracy and uniform turf chemical coverage are absolutely necessary, the SPRY-HAWK features corrosion resistant construction and eight non-drip nozzles on an 80-inch adjustable-height boom.

Additional features of the SPRAY-HAWK include its unique method of calibrating the unit to the individual operator by coordinating factors of speed, time, height, pressure, distance and gallonage. It also has a special optional conversion kit, which permits an alternate assembly to place the boom and spray nozzels beyond the wheels from the operator. So assembled, the SPRAY-HAWK may be pulled, to apply a spray pattern not tracked by the wheels or the operator's feet.

## IOWA STATE UNIVERSITY, AMES, IOWA

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By: Dr. Eliot C. Roberts

Iowa State's turf training program is jointly sponsored by the Departments of Agronomy and Horticulture. Students majoring in either department can elect this specialty. The four-year program grants a B.S. in argonomy or horticulture with turf management as a Specialized Training Option requiring 14 credits. Though undergraduate study is emphasized, work towards M.S. and Ph.D. degrees is also offered.

Dr. Eliot C. Roberts is in charge of the program, and is assisted in teaching by graduate students and by Professor A. E. Cott, Extension Turfgrass Specialist. Courses in agronomy and horticulture are taught by staffers in these subject areas. Specialized turf training began at Iowa State in 1959 and has produced 35 graduates with B.S. degrees, seven with M.S. degrees, and now has two candidates completing Ph.D. requirements.

**Undergraduate enrollment** usually varies from 20 to 30 students, with five to eight in each class. Iowa State is on a quarter system; students can enter the course at the start of any quarter: first week in Sept., Nov., Mar., and June. Applications should be made well ahead of anticipated starting dates—two quarters is recommended.

**Requirement** for entering the program is acceptance at the University. Tuition and registration fees for an academic year (three quarters) come to \$345 for Iowa residents and \$930 for nonresidents. Contact Dr. Roberts for general information and the University's Registrar for entrance details.