

Observers viewing a check tape showing spray distribution are, from the left: Joseph Kelly, Riley Lawn and Golf Equipment; Walter Hiser, Woodstock Club; George Lynn, Woodstock Club; James Joines, Mesingomesia Country Club; Marvin Scobbee, Highland Golf and Country Club; and Willard Thomas, Indianapolis Motor Speedway Golf Course.

The picture below shows the spray pattern obtained with helicopter application of Acti-dione Ferrated fungicide. The top panel is from the center of the spray swath. The bottom panel, from the edge of the spray swath, shows how the pattern thins out at the extreme periphery.

applying fungicide with a helicopter. A cross wind can carry the spray off target, and when the wind approaches 10 miles per hour it can affect the throbbing action of helicopter spraying when the pilot banks for a turn.

It is difficult to estimate wind velocity by visual observation, since, except for low altitudes, a surface wind is almost certain to be different from the wind at flight altitudes above the tree tops. However, for helicopter work, Table 3 should be of help:

Dr. Beckman's observations indicate that the use of a helicopter for applying fungicides to fairways can reduce labor costs without reducing the effectiveness of your disease-control program. It makes good business sense to consider this new tool in your overall management program for maintaining fine turf throughout the playing season.

## Weed Science Career Pamphlet is Available

An eight-page pamphlet, entitled "Careers in Weed Science," is available from Dr. W. F. Slife, Weed Science Society of America Business Manager, Department of Agronomy, University of Illinois, Urbana, Ill. 61801.

A single copy will be sent free to anyone requesting it. Teachers, counselors, and industry representatives may request — on their letterheads — up to three free copies.

Quantity prices are: Six copies for \$1; 25 copies for \$3.50; 50 copies for \$5.50, and 100 copies for \$10.

Make checks payable to Weed Science Society of America.

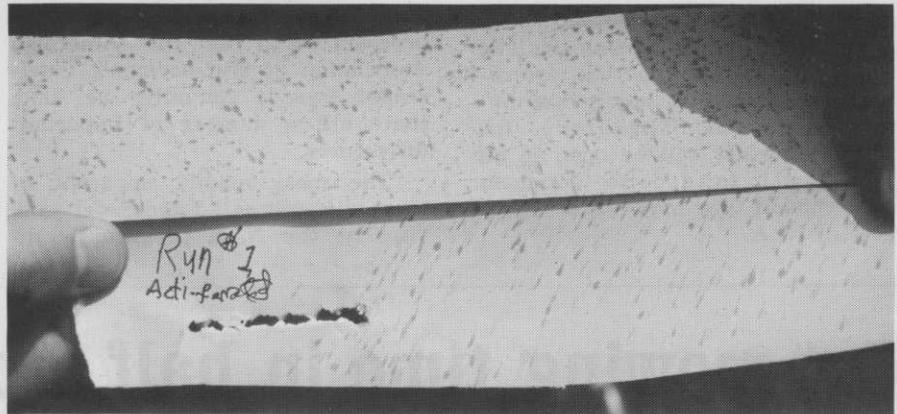


Table 2. Annual per-acre comparative application costs of helicopter vs. ground spray in citrus industry

Season	Helicopter	Ground Spray
1960-61	\$ 26.03	\$ 44.46
61-62	23.31	57.24
62-63	23.84	49.15
63-64	28.11	56.36
64-65	45.92	75.68
65-66	38.23	70.68
66-67	32.50	70.68
<b>Total</b>	<b>\$217.94</b>	<b>\$426.42</b>

Table 3. Helicopter Fairway Wind Scale

Wind Velocity	Terms Used in U.S. Weather Forecast	Land Signs
Less than 1 mph	Light	Calm; smoke rises vertically
1-3 mph	Light	Direction of wind shown by smoke drift, but not by wind vane
4-7 mph	Light	Wind felt on face; leaves rustle; ordinary vane moved by wind
8-12 mph	Gentle	Leaves and small twigs in constant motion; wind extends light flag
13-18 mph	Moderate	Dust and loose paper raised; small branches are moved.