

GOLF COURSE NEWS

Exclusive surveys of Golf Course News

Fungi fight an annual battle on golf courses

BY MARK LESLIE

Chronic turf diseases during peak playing time and on golf courses' most critical playing areas — the greens — are the plague of superintendents. Among the most bothersome are pythium blight and summer patch, two fungi that attack in July and August in much of the United States.

"Pythium blight and summer patch occur anywhere it's hot, humid and wet," said Stan Zontek of the United States Golf Association Green Section's Pennsylvania office. "They're a problem, for sure, east of the Mississippi River. Summer patch is a problem where poa annua greens are grown

— the Mason-Dixon line north, extending to the Mississippi River and even west, and in the Pacific Northwest and California. The further north you go, the worse they get.

"There is no poa annua in the Carolinas but we do see pythium in the Carolinas... Pythium hits tees, greens and fairways."

To keep club members and other golfers at bay, superintendents must annually combat these nemises by spraying their turf with fungicides. And developing new fungicides has become a major research adventure for several major companies.

That is especially true, Zontek said, because summer patch and pythium blight

Fungicides formulated to combat pythium blight

Golf Course News surveyed the major manufacturers of fungicides, asking questions to help our readers interested in products formulated to fight pythium blight and summer patch. This table displays the results of the pythium blight survey. Results of the summer patch survey are on the opposite page.

We asked companies if they manufacture the fungicide or if they buy it from another

company and affix their own brand label on it. If a company buys the active ingredient and formulates the fungicide, we answered "manufacture." All the manufacturers also market their products, and there are distributors nationally.

These tables are in our centerspread so that readers can pull them from the newspaper and tack them onto a bulletin board.

Company	Manufacture or Market	Market Area	Pythium blight Fungicide	Active Ingredient	Formulation	Contact or Systemic	Cost per 1000 Sq.Ft.	States NOT Registered in
CIBA-Geigy Corp. PO Box 18300 Greensboro, NC 27419 Owen Towne 919-292-7100 Circle No 201	Manufacture	Nat'l	Subdue	Metalaxyl	Liquid	Systemic	N/A	None
W.A. Cleary Chemical 1049 Somerset St. Somerset, NJ 08873 Michael Kolb 201-247-8000 Circle No 202	Manufacture	USA	Caddy	Cadmium chloride	Liquid	Contact	.73-.75	CA,CT,WI
Grace-Sierra 1001 Yosemite Dr. Milipitas, CA 95035 Mark Broxon 800-492-8255 Circle No 203	Market	USA	Koban	Etridiazole	Powder granular	Contact	4.00-5.00	None
Hendrix & Dail 803 Industrial Blvd. Greenville, NC 27835 Carroll McLawhorn 919-758-4263 Circle No 204	Market	USA	H-D BI-O-CIDE	Formaldehyde	Liquid	Contact	10.00	N/A
Kincaid Enterprises PO Box 549 Nitro, WV 25143 Jim Ratcliff 304-755-3377 Circle No 205	Manufacture	Int'l	Terraneb SP	Chloroneb	Wettable powder	Systemic	2.70	CA
Nor-Am Chemical Co. 3509 Silverside Road Wilmington, DE 19803 George Raymond 302-575-2030 Circle No 206	Manufacture	USA	Banol	Propamocarb	Liquid	Systemic	2.65	CA
Rhone-Poulenc PO Box 12014 Triangle Park, NC 27709 Irwin Fishkin 919-549-2314 Circle No 207	Manufacture	Int'l	Chipco Aliette	Aluminum tris	Powder	Systemic	3.50	None
O.M. Scott & Sons 14111 Scottslawn Road Marysville, OH 43041 Susie Calhoun 513-644-0011 Circle No 208	Manufacture	Int'l	Pythium Control Fungicide V Fluid Fungicide II	Metalaxyl Chloroneb Triadimefon Metalaxyl	Granular Granular Granular	Systemic Both Both	2.93 5.36 2.63	None CA None
Seacoast Laboratories Old Georges Rd. Dayton, NJ 08810 John Moynihan 800-522-4769 Circle No 209	Manufacture	N'east	Granular Chloroneb	Chloroneb (Tersan SP)	Granular	Contact	3.58	Outside N'east