

DISEASE CONTROL RECOMMENDATIONS

A paper presented at the 28th National Turfgrass Conference and Show by William Klomprens,
Plant Pathologist, Agricultural Research and Development, The Upjohn Company, Kalamazoo, Mich.

The summarized information is from many sources and includes both new results and old recommendations, but especially covers the control for new diseases or uses of new compounds.

It is suggested that more complete data may be obtained by contacting the investigators listed under "source," since the individual reports also contain many important suggestions for cultural aids relating to disease control.

As nearly as possible the information furnished was directly quoted.

Many thanks are due to the investigators responding to the request for information.

Disease	Material	Rate*	Interval	Grass	Source	Date	
Large Brown Patch (<i>Rhizoctonia</i> sp.)	Mercury containing		10-14 days	various southern grasses	Dr. H. G. Wells Georgia Coastal Plain Experiment Station	1956	
	Calomel	1-1/2-3 oz/1000		Bent	Extension Service Penn. State Univ.	1956	
	Special Semesan	8 oz/3000		Bent	" "	1956	
	Tersan	5 oz/1000		Bent	" "	1956	
	Hydrated Lime	10 lbs/1000 sq. ft.		Bent	" "	1956	
	Acti-dione RZ Kromad Calocure Tersan + Calocure		7-10 days	Bent	Prof. H. L. Lantz Iowa State College	1956	
	Calo-clor Calocure Tersan 75 Kromad Acti-dione RZ			Bent	Dr. M. C. Shurtleff Iowa State College	1956	
	Dollar Spot (<i>Sclerotinia homeocarpa</i>)	Cadminate or Puraturf 177			Bent	Extension Service Penn. State Univ.	1956
		Acti-dione Ferrated Acti-dione RZ			Bent	Prof. H. A. Runnels Ohio Expt. Station	1956
		Acti-dione RZ Kromad Calocure Tersan + Calocure		7-10 days " " " " " "	Bent	Prof. H. L. Lantz Iowa State College	1956
Cadmium-containing Phenyl mercury Kromad Acti-dione RZ				Bent	Dr. M. C. Shurtleff Iowa State College	1956	

*Assumed to be according to manufacturer's recommendations unless otherwise stated.

Disease	Material	Rate*	Interval	Grass	Source	Date
Melting-Out (<u>Helminthosporium</u> sp.)	Acti-dione Ferrated Acti-dione RZ			Bent	Dr. M. C. Shurtleff Iowa State College	1956
Fading-Out (<u>Curvularia</u> sp.)	Mercury containing or Acti-dione			Bent	Dr. H. G. Wells Georgia Coastal Plain Experiment Station	1956
	Phenyl mercury Acti-dione Ferrated Acti-dione RZ Kromad			Bent	Dr. M. C. Shurtleff Iowa State College	1956
Grease Spot (<u>Pythium</u> sp.)	Mixtures of phenyl mercury, mercury chlorides, Thiram, Acti-dione RZ, and Cadmium-containing fungicides			Bent	Dr. M. C. Shurtleff Iowa State College	1956
Going-Out or Kentucky Bluegrass Leaf Spot (<u>Helminthosporium</u> sp.)	Acti-dione Ferrated Kromad Captan	-1 pkg/20,000 sq. ft. 2-4 oz/1000 2-4 oz/1000		Kentucky blue- grass or Illahee fescue	Dr. H. B. Couch Penn. State Univ.	1956
Rust (<u>Puccinia</u> sp.)	Zineb	2 lb/100 on 1000 sq. ft.		Merion bluegrass	Extension Service Penn. State Univ.	1956
	Acti-dione	1 pkg/100 gal/ 15,000 sq. ft.	7-10 days	Merion bluegrass	Dr. H. B. Couch Penn State Univ.	
	Zineb Maneb Acti-dione			Merion bluegrass	Dr. M. C. Shurtleff Iowa State College	1956
Powdery Mildew (<u>Erysiphe</u> sp.)	Acti-dione	1 pkg/100 gal/ 15,000 sq. ft.	2 applic. at 7-10 day intervals		Dr. H. B. Couch Penn State Univ.	1956
	Mildex. or Karathane				Dr. M. C. Shurtleff Iowa State College	1956
Cottony Blight (<u>Pythium</u> sp.)	Captan 50W Captan + Acti-dione Phygon XL Vancide 51 Zineb	1 lb/1000 sq. ft.		Rye	Dr. H. G. Wells Georgia Coastal Plain Experiment Station	1956
Copper Spot (<u>Gloeocercospora</u> <u>sorghii</u>)	Cadminate or Puraturf 177			Bent	Extension Service Penn State Univ.	1956
Snow Mold (<u>Fusarium</u> and <u>Typhula</u> sp.)	Calomel	4 oz/100		Bent	Extension Service Penn State Univ.	1956
	Phenyl Mercury or mercury chlorides			Bent	Dr. M. C. Shurtleff Iowa State College	1956