

# ROTOROD PRODUCT CATALOG

## Rotorod Equipment and Supplies

We are committed to helping you obtain the results that you need. If you need to have your sampler perform a specific function that isn't listed in our catalog, contact us and we can custom design samplers to meet your needs. If you can't find it, we can make it.

### MODEL 40

The Model 40 is an area sampler designed to obtain atmospheric samples traditionally described as "pollen counts." Samples are typically collected over a 24-hour period according to a duty cycle, which the user programs.

The Model 40 can be powered by 12-volt DC or 115-volt AC sources and must be pole-mounted. The sampler is supplied with two retracting sampling heads, a 25-foot AC power cord, and a detailed instruction manual.

*Size:* 7.5 X 6 X 9.75 inches (19.1 X 15.2 X 24.8 cm)

*Weight:* 3 lbs (1.4 kg)

*Price:* \$1,700.00



### MODEL 20

The Model 20 is a portable sampler designed for indoor and outdoor applications. Samples are collected continuously or in intervals when coupled with the Cycling field timer. Either a fixed sampling head or retracting sampling head may be used.

The Model 20 can be powered by 12-volt DC or 115-volt AC sources. The sampler is supplied with two fixed sampling heads, a 9-foot DC power cord, and a detailed instruction manual.

*Size:* 3 X 4.75 X 3.25 inches (7.6 X 12.1 X 8.3 cm)

*Weight:* 0.75 lb (0.3 kg)

*Price:* \$715.00



### CYCLING FIELD TIMER

The Cycling field timer is a 12-volt DC programmable interface used to control the duty cycle of the Model 20. Each timer will control up to eight samplers simultaneously for use in sampling arrays.

*Size:* 6.25 X 4.75 X 3.5 inches (15.9 X 12.1 X 8.9 cm)

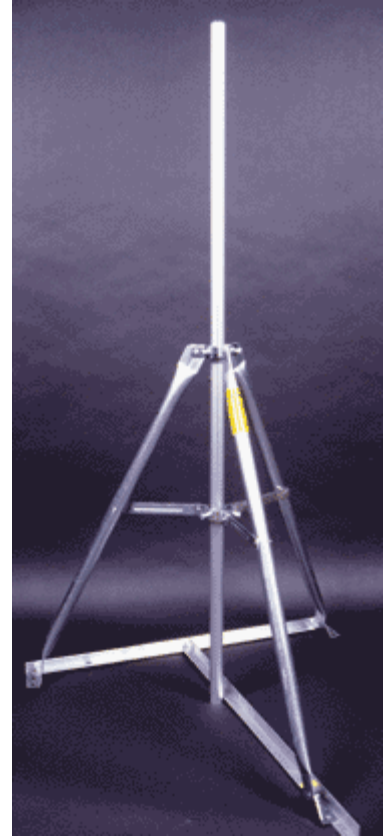
*Weight:* 1.5 lbs (0.7 kg)

*Price:* \$510.00

### ROTOROD MOUNTING STAND

The Rotorod stand is free-standing and will support the Model 40 and Model 20 samplers. The stand is constructed of aluminum and will withstand inclement weather. Light assembly is required.

**Price: \$148.00**



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### RETRACTING SAMPLING HEAD

The retracting sampling head supports two collector rods which yield duplicate samples for each sampling period. This head is designed for intermittent sampling where the rods require shielding when the sampler is idle. Although the retracting head fits all Rotorod models, it is typically used with the Model 40.

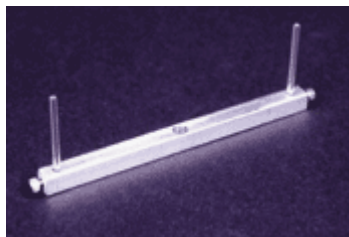


**Price: \$138.00**

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### FIXED SAMPLING HEAD

The fixed sampling head supports two collector rods, which yield duplicate samples for each sampling period. This head is designed for continuous sampling applications where the rods remain exposed to the



atmosphere until removed by the user. This head is generally used with the Model 20.

**Price: \$66.00**

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### COLLECTOR RODS

These are the actual collection surfaces for the fungal spores and pollen grains. These rods are analyzed under the microscope to obtain the total volumetric pollen and fungal spore counts.

Quantity: 150 rods/package

**Price: \$105.00 per Package**



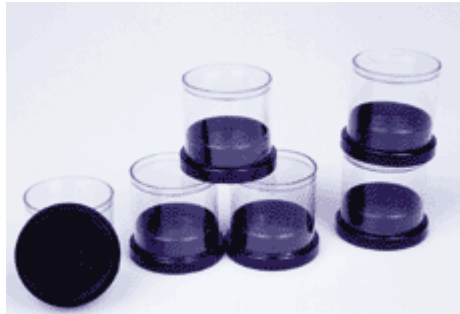
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### TRANSIT & STORAGE VIALS

Transit and storage vials are a convenient way to store, archive and move collector rods to avoid damage or contamination. Each vial holds six pairs of rods in marked positions.

Quantity: six vials per set  
(rods not included)

**Price: \$20.00**

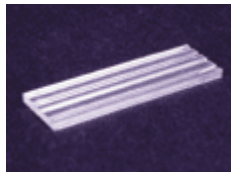


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### MICROSCOPE STAGE ADAPTER

The stage adapter is a grooved polystyrene slide designed for temporary wet-mounting of collector rods for microscopic examination. The adapter is to be used with sub-stage illumination.

**Price: \$13.00**



### CALBERLA'S POLLEN STAIN

Calberla's stain contains basic fuchsin. This stain rehydrates the pollen grain and reacts with its protein to turn red for easier viewing under the microscope.

Volume: 30 mL

**Price: \$52.00**



### SILICONE GREASE

Silicone grease is used to coat collector rods to retain impinged particles. This compound possesses superior particle retention properties and resists being slung from the rods during operation.

Weight: 2 oz.

**Price: \$31.00**



### MICROSCOPE COVER GLASS

These square cover glass are corrosion-resistant, free of striae and oily films.

Thickness: #1H

Size: 22 X 22 mm

Weight: 1 oz.

**Price: \$31.00**



### SUPPLY KIT

This kit includes one pack of Collector Rods, a hemostat, one set of Transit and Storage Vials, two Microscope Stage Adapters, one bottle of Calberla's Stain, and one package of Cover Glass. This package represents a substantial savings over purchasing the items separately.

**Price: \$225.00**



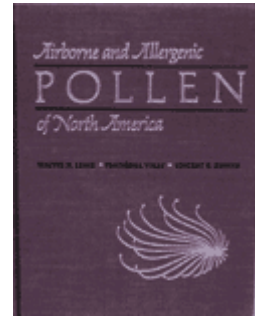
## Reference Books

### **AIRBORNE AND ALLERGENIC POLLEN OF NORTH AMERICA**

*by Lewis, Vinay and Zenger*

An exhaustive treatment of pollen as it relates to clinical allergy. All major plant families in North America are considered, including wind-pollinated (anemophilous) and insect-pollinated (entomophilous) varieties. The book is divided into three chapters, 1.) Trees and Shrubs, 2.) Grasses and Grasslike Plants and 3.) Weeds and herbs. Each chapter is organized by the plant family, describing relevant genera and example species. The pollen grains from each family are presented in the form of scanning electron micrographs and light micrographs. These photographs are supplemented with pictures of the plants flowering structures and tables describing airborne pollen abundance by month of various regions of the Continental United States. The allergenicity of each family is fully described and extensively referenced. The book contains 12 pages of color photographs of allergy plants and their flowering structures. In addition, 136 color photomicrographs of pollen grains stained with basic fuchsin are included. A 156-page appendix graphically depicts the geographic distribution of more than one thousand plant species in the United States.

**Price: \$66.50**



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### **ALLERGY PLANTS**

*by Jelks*

A treatment of plants that cause allergy. The major plant families in North America are described and beautifully depicted in 146 color photographs of leaves and flowering structures. The book is intended as both a professional tool and as an aid to allergy sufferers. Physicians can use the book to investigate the composition and distribution of their local flora. This information can be combined with data from airborne pollen surveys to select allergy extracts that are geographically appropriate. Allergy sufferers will find the book useful in educating themselves about the nature of allergy and the potential sources of pollen allergens in their environment.

**Price: \$18.50**



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### **SAMPLING AND IDENTIFYING ALLERGENIC POLLENS AND MOLDS**

*by E.G. Smith*

Our most popular reference book! A valuable resource for pollen and spore identification for two reasons. First, it is expressly geared for identification of all types of pollen and spores collected in air samplers, second it presents the pollen and spores as a series of excellent photomicrographs. The first part of this book contains chapters written by various mycologists addressing such issues as equipment choice and use, problems of identification, fungal allergens, and different aspects of allergy. The second part of the book contains a very rich collection of photomicrographs providing significant assistance to those identifying pollen and spores. Pollen and spore identification is done using the "mug shot" approach and photomicrographs are grouped together on the basis of their dominant physical characteristics. The book is appropriate for all levels of sampling and a must for anyone who counts spores.

**Price: \$128.00**

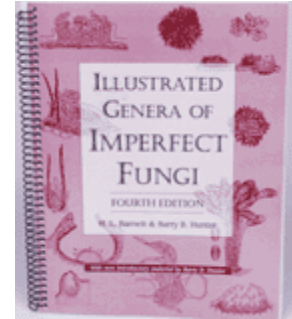
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### **ILLUSTRATED GENERA OF IMPERFECT FUNGI**

*4th Edition*

Illustrated Genera of Imperfect Fungi, 4th Edition, is the first update in 12 years of the classic reference that mycologists and others interested in imperfect fungi have relied upon for decades. It provides up-to-date, comprehensive information for recognizing, identifying, and learning various aspects of the reproductive and somatic morphologies of imperfect fungi. Its practical use in the identification of imperfect fungi makes it an essential tool. This edition includes a general introduction to the imperfect fungi. It provides basic information about the use of Saccardoan System as the basis for identifying imperfect fungi and studying their nature and diversity. It also contains a simplified key of selected common genera proving to be a very valuable reference tool. Also, it includes fungi generally found in air, soil, and decaying vegetation.

**Price: \$66.50**



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### **POLLEN FLASHCARDS**

16 of the most common pollen types in North America are shown with pictures and descriptions. The Flash Cards also come with information on the anatomy of a pollen grain and pollen season in the United States, a glossary of terms used in pollen identification and a list of helpful pollen resources.

**Price: \$25.00**

