

10-20 μ broad. Growing tips of the conidiophores have got pores and a number of such pores are visible due to their lateral growth. Preliminary germination studies revealed that fresh spores germinate readily in sterile distilled water at 27° C. after 4 hours.

This disease has been reported from very few localities. Moore¹ while discussing about the occurrence of this disease in Britain and other places suggested *Heterosporium Allii* var *Cepivorum*. Nicholas and Aggery as the proper name for this fungus. The Kashmir material, however, was examined by Dr. M. B. Ellis of Commonwealth Mycological Institute, Kew, and identified as *Heterosporium Allii-Cepæ* Ranovic. Since the disease appears on seed onion crop, it might become a limiting factor in the production of onion seeds in the state. Further studies on the perpetuation of the disease are in progress.

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STUDIES IN THE GENUS *CRYPTOSTEGIA*

Preliminary Observations of the Corolline Corona

Two species of the genus *Cryptostegia* have so far been reported from India. These two species, viz., *C. grandiflora* R. Br. and *C. madagascariensis* Boj. have been differentiated mainly on the basis of the morphology of the corona lobes. Critical observations indicated that the variability of this character was of considerable extent. The authors, therefore, have undertaken a detailed study of the genus with a view to ascertaining the correct basis of differentiating the two species.

The corona lobe types observed during this study are shown in the accompanying figure. These types can be grouped under three categories.

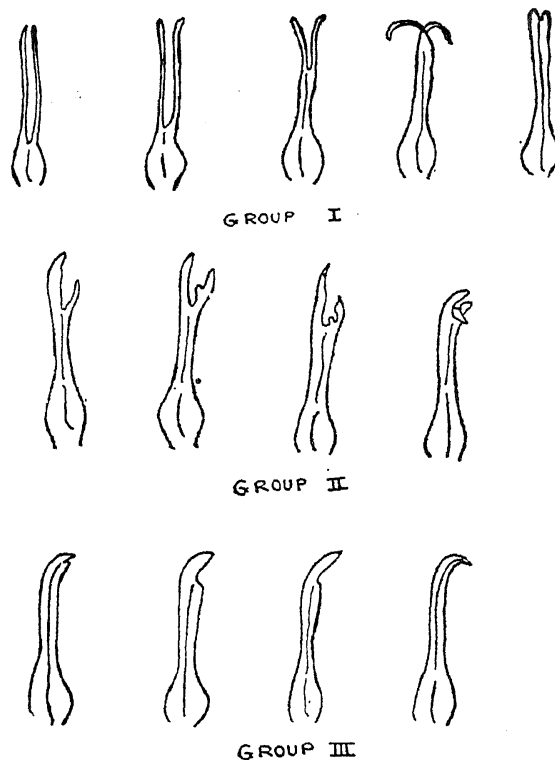


FIG. 1. Showing the variations in the coronal structures in the genus *Cryptostegia* (Chavan, Sabnis and Pathak.)

Group I—The corona lobes are divided into two long, filiform segments which show various degrees of fusion.

Group II—The corona lobes are divided into two segments which are unequal and which show protuberances.

Group III—The corona lobes are entire with incurved tips.

Further studies are in progress and the results will be reported in due course.

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Baroda, September 14, 1959. C. H. PATHAK.

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