

## OCCURRENCE OF *GLOEOSPORIUM ALBORUBRUM* ON RUBBER IN MEGHALAYA

In the Garo Hills of Meghalaya, *Gloeosporium alborubrum* Petch causing secondary leaf fall disease has been encountered on rubber occasionally. In this preliminary study, an attempt has been made to find out the incidence, seasonal occurrence and the extent of damage.

A survey was made in a five year old rubber plantation comprising of ten clones of *Hevea brasiliensis* at the Regional Research

Station of the Rubber Research Institute of India at Tura, Meghalaya. Fifteen leaves were collected randomly from each clone at monthly intervals for a period of two years to assess incidence of the disease. Percentage disease index and defoliation were calculated for the individual clones. Leaf area covered by the pathogen was determined on the basis of the following arbitrary scale :

Table 1. Percentage disease index due to *G. alborubrum* in different clones of *Hevea* during 1990-91.

Clones	Year	March	April	May	June	July	August	Sept.	Oct.	Nov.	Mean (Transformed)
RRII 105	1990	5.3	3.9	5.3	5.3	3.9	1.9	1.3	0.7	0.7	3.14 (1.98)
	1991	0	1.3	1.7	2.7	1.7	1.9	0.9	0.7	0	1.21 (1.46)
RRII 118	1990	2.7	3.9	3.9	3.9	2.7	2.7	1.7	1.7	0.7	2.66 (1.93)
	1991	0.3	1.7	3.7	3.7	3.7	1.3	0.7	0.3	0	1.71 (1.58)
RRII 203	1990	6.7	5.3	5.3	3.9	4.6	0.9	0.7	0.7	0	3.12 (1.93)
	1991	0.7	0.7	2.7	3.3	1.7	0.7	0.3	0	0	1.49 (1.41)
RRIM 600	1990	5.3	5.3	6.7	5.3	3.9	2.7	0	0	0	3.24 (1.94)
	1991	0	1.7	1.7	2.7	2.7	1.4	0.7	0.7	0	1.29 (1.48)
RRIM 605	1990	5.3	5.3	5.3	3.9	3.9	1.7	0.7	0	0	2.90 (1.88)
	1991	0.3	2.7	4.6	4.4	2.9	0.7	0.3	0.7	0	1.84 (1.61)
PB 235	1990	3.9	5.3	3.9	3.9	2.7	1.3	1.7	0.7	0.7	2.68 (1.87)
	1991	0.3	2.7	3.3	4.1	2.7	2.7	1.3	0.3	0	1.93 (1.57)
PB 86	1990	5.3	4.4	5.3	1.3	1.9	1.9	1.3	0.7	0.7	2.53 (1.82)
	1991	0.3	2.7	3.9	4.6	2.3	1.3	0	0.3	0	1.71 (1.40)
PB 5/51	1990	5.5	5.3	3.9	1.3	1.3	0.7	0	0	0	2.00 (1.62)
	1991	0.7	1.7	4.9	6.7	3.9	0.7	0	1.7	0	2.26 (1.53)
GT 1	1990	3.9	5.3	5.3	3.9	2.7	1.3	0	0	0	2.49 (1.70)
	1991	0.7	1.7	3.7	3.3	2.7	1.3	0.3	0	0	2.52 (1.53)
GI 1	1990	5.3	6.7	5.3	5.3	3.9	1.3	0.7	0.7	0.7	3.32 (1.94)
	1991	0.7	3.7	4.6	4.7	4.7	3.3	1.7	0.7	0	2.68 (1.85)