shoots of subabul by both the nymphs and adults resulted in fading and drying of tender shoots. The appearance of this sap feeding insect in severe form may pose a threat to extensive cultivation of subabul in Karnataka. The occurrence of psyllids on subabul for the first time has warranted the subabul growers to take up suitable and timely control measures to check the population. It may also be necessary to have surveillance on the pest in other areas to supress its population in the initial stages to prevent ravage by the pest.

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## Effect of Date of Planting and Weather Condition on the Development of Blight on Corlander caused by Colletotrichum gloeosporioides

Colletotrichum gloeosporioides (Penz.) Penz. and Sacc., is one of the major diseases and causes considerable damage both in seed production and also in leafy vegetable (Naik, 1988). Most of the varieties available are found susceptible to blight. In the absence of resistant cultivars, disease escape is one of the techniques followed to minimize the losses due to plant diseases. Sufficient data are not available either on the effect of date of planting or the impact of weather conditions on the incidence of coriander blight. Hence, a field

experiment was laid out during kharif, 1987 under rainfed condition at the MRS, UAS, Dharwad.

A susceptible local variety of coriander was used and planting was done at an interval of 7 days commending from first week of June and spread upto third week of July in 1 X 1 m2 plots. Each treatment was replicated thrice. Fifty days after sowing, the disease incidence and intensity were recorded. To record disease intensity, large number of seedlings in each treatment were uprooted and the number of individual flowers showing blighting symptom was noted

separately. Subsequently, intensity was calculated by using the formula—

Per cent disease intensity =

Number of flowers infected

Total number of flowers prsent

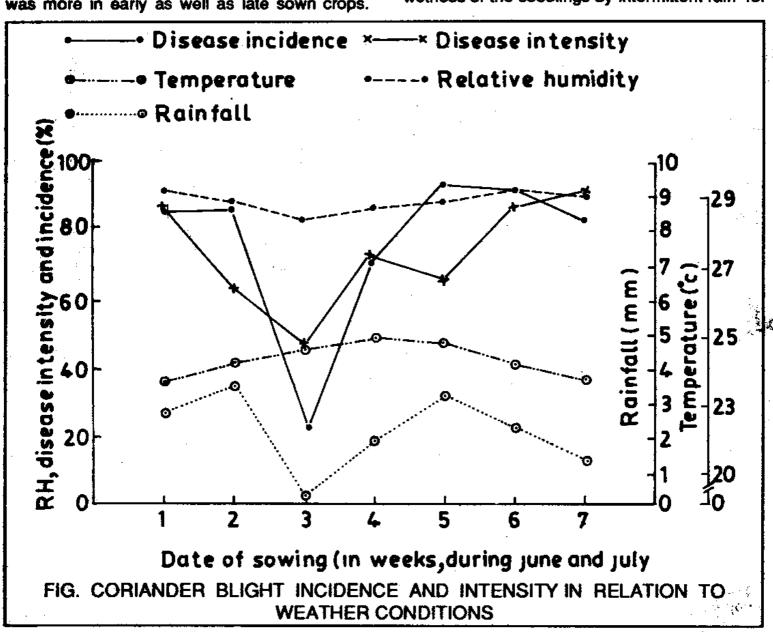
X 100

Later, the data were statistically analysed and correlated to the weather conditions.

It is quite evident from the Fig., that the least incidence (23.83%) and severity (35.67%) of blight were observed on the crop sown during third week of June, while, maximum incidence (89.76%) and severity (88.90%) were noticed on the crop sown during second and third weeks of July, respectively. The blight intensity was more in early as well as late sown crops.

These periods coincided with high relative humidity, rainfall and low temperature, which might have favoured the development of disease at susceptible stage of the seedlings. The high relative humidity during this stage of the crop played a significant role in development of disease and was significantly correlated with incidence and intensity of blight, whereas, temperature did not have significant correlation.

Though the rainfall during the susceptible stage of the host had no significant positive correlation, more incidence of blight was observed when the rainfall was intermittent and spread over a period of time. Amount of rainfall was found to be less important than prolonged wetness of the seedlings by intermittent rain for



4-5 days during the susceptible stage and it also caused high atmospheric relative humidity which in turn might have helped development of blight.

Maximum incidence and severity of blight was observed when the relative humidity was above 88 per cent and temperature around 23.5°C, while, the minimum blight was observed with 82 per cent and 24.5°C, relative humidity and temperature, respectively. In the present investigation, the mean temperature and average rainfall did not show independent significant effect on blight development in combination with relative humidity. Similar results were recorded by several workers in various plant diseases caused by *Colletotrichum* spp., (Moses and Govind Rao, 1969; Chambers, 1969; Peries, 1979; Maiti and Sen, 1982; Naik, *et al.*, 1984; and Irwin, *et al.*, 1985).

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