

Occurrence and study of powdery mildew disease of fenugreek (*Trigonella foenum-graecum* L.) in South Gujarat

■ A.U. Gojiya* and J.R. Pandya

Department of Plant Pathology, N.M. College of Agriculture, Navsari Agricultural University, Navsari (Gujarat) India

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ABSTRACT

Survey of powdery mildew of fenugreek in Navsari district revealed that at flowering and pod formation stages, higher average intensity of 20.67 and 51.11 per was recorded in KVK, Navsari area and least was in 9.78 and 31.33 per cent Sandalpore village, respectively. Total average PDI of Navsari district was recorded 12.96 and 36.85 respectively, at flowering stage and pod formation stage of crop. The average length of conidia was maximum 49.76 μm in the samples collected from KVK, Navsari area, while minimum 38.08 μm was in the samples collected from Pethan village. Maximum breadth of conidia 21.55 μm in KVK, Navsari area and minimum 18.00 μm in Pethan village of Navsari district. The average length and breadth of conidia of all villages 43.73 μm length and breadth 20.24 μm , respectively. While length/breadth index was maximum 2.30 μm in KVK, Navsari area followed by Abrama 2.09 among the collected samples. In case of conidiophore maximum length in KVK, Navsari area 68.43 μm and minimum length in Crafeat area 58.83 μm . While, maximum length of conidiophores was recorded in KVK, Navsari area 6.78 μm and minimum in Cafetra 8.48 μm . The average of length and width of conidiophore was 63.73 μm and 7.67 μm , respectively.

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*Corresponding author:

Email : amit.gojiya144@gmail.com