

Shelf-life of different formulations of *Steinernema masoodi* under laboratory condition

K.C. Jangid, A.U. Siddiqui and S.S. Bhati

Received March 15, 2017 and Accepted May 25, 2017

ABSTRACT : Investigations were carried out to determine shelf life of different formulations of *Steinernema masoodi* viz., Calcium Gel Alginate Capsules, Water Dispersible Granules and Vermiculate under laboratory condition. Studies revealed that maximum 92 per cent of IJs *S. masoodi* were recovered from CGAC formulation after one month at 10°C and subsequently after two and three months recovery was 80 and 68 per cent, respectively. While at 25°C, 84, 72 and 60 per cent recovery was obtained from CGAC formulations after one, two and three months, respectively. However, in WDG formulations maximum recovery of IJs of *S. masoodi* was 88, 72 and 60 per cent after one, two and three months, respectively at 10°C. While at 25°C recovery of IJs of *S. masoodi* were obtained 80, 68 and 56 per cent after one, two and three months. In case of vermiculate formulations 80, 56 and 40 per cent IJs of *S. masoodi* were obtained after one, two and three months at 10°C, respectively. While at 25°C recovery of IJs of *S. masoodi* was 76, 68 and 32 per cent after one, two and three months from vermiculate formulation, respectively.

Key Words : Entomopathogenic nematode, *Steinernema masoodi*, Shelf life, Formulations, CGAC, WDG, Vermiculate.