

Pak. J. Nematol., 6 (2): 83-86, 1988.

EFFECT OF LIQUID NITROGEN ON THE VIABILITY OF *HETERODERA AVENAE* UNDER TWO CONDITIONS OF STORAGE

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Abstract

Twenty-six percent of the second-stage juveniles (J2), contained inside cysts of *Heterodera avenae* which were mixed with dry sandy, soil and laced in vials, emerged after 6 months storage in liquid nitrogen at 180°C. Many of the J2 were able to infect wheat roots and mature to adults which produced viable eggs. No J2 emerged from cysts stored similarly for 6 months in agar gel. Liquid nitrogen may have potential for longterm storage in a viable state of certain cyst-forming nematodes.