# **JOURNAL OF NEMATOLOGY**

THE OFFICIAL JOURNAL OF THE SOCIETY OF NEMATOLOGISTS

## EDITORIAL BOARD

#### **Editor-in-Chief**

Bradley C. Hyman 2002. The University of California, Riverside, CA

#### **Senior Editor**

James L. Starr 2002. Texas A&M University, College Station, TX

#### **Editors**

Keith Davies 2004. IACR-Rothamsted Experimental Station, Harpenden, Herts UK Eric L. Davis 2002. North Carolina State University, Raleigh, NC Deborah Neher 2004. University of Toledo, OH Terry L. Niblack 2002. University of Illinois, Urbana, IL Robert T. Robbins 2002. University of Arkansas, Fayetteville, AR S. Patricia Stock 2004. University of Arizona, Tucson, AZ Patricia Timper 2002. USDA ARS, Tifton, GA

### **Technical Editor**

Patricia L. McGhee, Atlantic Beach, FL

#### **Editorial Assistant**

Diane L. Guizlo, Riverside, CA

# Published by The Society of Nematologists

President: Thomas O. Powers President-Elect: Robin Giblin-Davis Vice-President: Terry L. Niblack Secretary: A. Forrest Robinson Treasurer: Peggy King

Past-President: Andrew P. Nycezpir

Editor-in-Chief: Bradley C. Hyman Newsletter Editor: Brent Sipes

Executive Member: Nancy Kokalis Burelle Executive Member: Haddish Melakeberhan

Executive Member: Vivian Blok

The Journal of Nematology (ISSN 0022-300X) is published quarterly by the Society of Nematologists. Periodical postage paid at Marceline, MO and additional Post Offices. **Postmaster:** Send change of address to Society of Nematologists, P.O. Box 311, Marceline, MO 64658. E-mail: son@mcmsys.com. Inquiries concerning subscriptions, availability of back issues, membership in the Society of Nematologists, and changes of address should be sent to the same address. For this and other information, visit the Society's website: http://www.nematologists.org.

Mention of a pesticide, cultivar, or commercial or proprietary product does not constitute a recommendation or an endorsement of its use by editors, author(s), their institutions, or the Society of Nematologists. Authors are responsible for statements made in the Journal and Supplement, whether of fact or opinion.

Printed by The Sheridan Press, 450 Fame Ave., Hanover, PA 17331. The Journal is indexed by Kathleen K. Leabo, Port Lavaca, TX.

COVER—Maps of potato cyst nematode population densities across three adjacent fields, used for three different control approaches based on economic thresholds, treatment efficacy and cost. Cover art represents one of eight feature articles in this issue on the uses of GIS/GPS and Geostatistics in precision agriculture. See articles beginning on page 185 of this issue. (Figure submitted by K. Evans; paper begins on page 194).