



by Nora Catlin, PhD  
nora.catlin@cornell.edu

## INSV on Nemesia

*Impatiens necrotic spot virus (INSV) often gets missed on nemesia. Don't let this one fool you!*

There have been numerous recent reports of Impatiens necrotic spot virus (INSV) on nemesia. INSV can cause a wide variety of symptoms on different hosts, which can sometimes make it challenging to recognize this disease. You can see the variety of symptoms in the previous e-Gro Alert, *4.29 A Pictorial Guide to Common Symptoms of INSV in Greenhouse Crops* ([http://www.e-gro.org/pdf/2015\\_429.pdf](http://www.e-gro.org/pdf/2015_429.pdf)). Recognizing INSV on nemesia is particularly challenging, and often gets missed.

Instead of a striking mottling or a conspicuous ring spot as seen on some other plants,

INSV symptoms on nemesia  
(photo courtesy of Margery Daughtrey, Cornell University)



2017 Sponsors



**PHILIPS**

**fine**

**e-GRO Alert**  
*www.e-gro.org*  
**CONTRIBUTORS**

**Dr. Nora Catlin**  
Floriculture Specialist  
Cornell Cooperative Extension - Suffolk County  
nora.catlin@cornell.edu

**Dr. Chris Currey**  
Assistant Professor of Floriculture  
Iowa State University  
ccurrey@iastate.edu

**Dr. Ryan Dickson**  
Floriculture Extension & Research  
University of New Hampshire  
ryan.dickson@unh.edu

**Thomas Ford**  
Commercial Horticulture Educator  
Penn State Extension  
tgf2@psu.edu

**Dan Gilrein**  
Entomology Specialist  
Cornell Cooperative Extension - Suffolk County  
dog1@cornell.edu

**Dr. Joyce Latimer**  
Floriculture Extension & Research  
Virginia Tech  
jlatime@vt.edu

**Dr. Roberto Lopez**  
Floriculture Extension & Research  
Michigan State University  
rglopez@msu.edu

**Dr. Neil Mattson**  
Greenhouse Research & Extension  
Cornell University  
neil.mattson@cornell.edu

**Dr. Garrett Owen**  
Floriculture Outreach Specialist - Michigan State Univ.  
wgowen@msu.edu

**Dr. Rosa E. Raudales**  
Greenhouse Extension Specialist  
University of Connecticut  
rosa.raudales@uconn.edu

**Dr. Beth Scheckelhoff**  
Ext. Educator – Greenhouse Systems  
The Ohio State University  
scheckelhoff.11@osu.edu

**Lee Stivers**  
Extension Educator – Horticulture  
Penn State Extension, Washington County  
ljs32@psu.edu

**Dr. Paul Thomas**  
Floriculture Extension & Research  
University of Georgia  
pathomas@uga.edu

**Dr. Ariana Torres-Bravo**  
Horticulture/ Ag. Econ., Purdue University  
torres2@purdue.edu

**Dr. Brian Whipker**  
Floriculture Extension & Research - NC State Univ.  
bwhipker@ncsu.edu

**Heidi Wollaeger**  
Floriculture Outreach Specialist - Michigan State Univ.  
wollaeger@anr.msu.edu

Copyright © 2017

*Where trade names, proprietary products, or specific equipment are listed, no discrimination is intended and no endorsement, guarantee or warranty is implied by the authors, universities or associations.*



INSV symptoms on nemesia - browning near the leaf base. (photo courtesy of Margery Daughtrey, Cornell University)

on nemesia INSV typically causes necrotic lesions or browning, often on the stem, along the leaf mid-rib, and at the base of the leaves. You can also see spots or ringspots on the leaves.

Watch your plants very closely and be suspicious of spots, necrotic lesions, or dead or browning areas on the stems or leaves. If you think it might be INSV, send to a diagnostic lab or contact your local extension specialist to have the diagnosis confirmed, or you can use an in-house diagnostic kit such as ImmunoStrips® (Agdia, Inc.; [www.agdia.com](http://www.agdia.com)). Catching symptoms early and discarding infected plants is the best way to keep this disease in check. Be sure to monitor for and manage the thrips vector and be especially vigilant in your thrips management if INSV is present. Find some great information and tips on thrips and thrips management in the e-Gro Alert, *4.08 Time for Thrips Already?* ([http://www.e-gro.org/pdf/2015\\_418.pdf](http://www.e-gro.org/pdf/2015_418.pdf)).

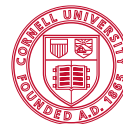


INSV symptoms on young nemesia plants.  
(photo courtesy of Margery Daughtrey, Cornell University)



Cooperating Universities

**UConn**



Cornell University



The University of Georgia

IOWA STATE UNIVERSITY

MICHIGAN STATE UNIVERSITY

**NC STATE UNIVERSITY**



THE OHIO STATE UNIVERSITY

PENNSTATE



Cooperative Extension  
College of Agricultural Sciences

**PURDUE UNIVERSITY**



University of New Hampshire  
Cooperative Extension



**VirginiaTech**  
Invent the Future®

MAUMEE VALLEY GROWERS  
*Choose the Very Best.*

In cooperation with our local and state greenhouse organizations



CONNECTICUT GREENHOUSE GROWERS ASSOCIATION



Indiana FLOWER GROWERS Association



NEW HAMPSHIRE Plant Growers  
QUALITY GARDEN CENTERS & GROWERS



Michigan Floriculture Growers Council





INSV on nemesia - leaf spots and lesions. (photo courtesy of Margery Daughtrey, Cornell University)

INSV on nemesia. (photo courtesy of Margery Daughtrey, Cornell University)



INSV on nemesia. (photo courtesy of Margery Daughtrey, Cornell University)