Some Selected Resources on Organic Production for Greenhouse Growers

There has been an increase in the demand for organically grown greenhouse crops, especially organically grown vegetable and or herb transplants.



Figure 1: Organically Grown Pepper & Tomato Transplants. Photos by L. Pundt

The USDA NOP guides development of standards for organic greenhouse production. https://www.ams.usda.gov/about-ams/programs-offices/national-organic-program

All growers who sell more than \$5000 produced each year are required to go through a certification process.

Many of Connecticut's organic farms are certified by Baystate Organic Certifiers. http://baystateorganic.org/

For a list of accredited certifying agents, see https://www.ams.usda.gov/services/organic-certification/certifying-agents

CT NOFA: https://www.ctnofa.org/

NCAT: ATTRA Sustainable Agriculture. National Sustainable Agriculture Information Service. https://attra.ncat.org/
Search ATTRA Publication Library for fact sheets on organic greenhouse production.

Biernbaum, J. A. 2006. Department of Horticulture, Michigan State University https://www.canr.msu.edu/outreach/uploads/files/AABI/Organic-Transplants-2013-13pgs.pdf



Wander, M. 2015. Organic potting Mix Basics. EOrganic. https://eorganic.org/node/3442

Using Organic Fertilizers

Beeks, S., N. Mattson and R. Lopez. 2014. Vermicompost 101 Grower Talks January 31, 2014. https://www.growertalks.com/Article/?articleid=20563

Cox, D. 2017. How to Use Nature's Source and Sustain as Organic Fertilizers for Spring Crops. UMass Greenhouse Webinar.

https://ag.umass.edu/greenhouse-floriculture/education-events/webinars?page=1

Cox D. 2016. Plant Response to Nature's Source and EcoVita Organic Fertilizers vs Plantex Chemical Fertilizer. July-Aug. Floral Notes 29(1). https://ag.umass.edu/sites/ag.umass.edu/files/newsletters/16fnjuly_aug.pdf

Cox D. 2014. Organic Fertilizers - Thoughts on Using Liquid Organic Fertilizers for Greenhouse Plants. Sept.-Oct. Floral Notes 27(2) https://ag.umass.edu/sites/ag.umass.edu/files/newsletters/14fnseptoct272.p df

Kuack, D. 2014. Switching to Organic Fertilizer by Dave Kuack, Greenhouse Grower Magazine, April 2014

https://www.greenhousegrower.com/production/crop-inputs/switching-to-organic-fertilizer/

Mattson, N. and K. Williams. 2015. Organic Fertilizers Webinar: Successfully Making the Switch. Sponsored by E-Gro and Bioworks https://www.youtube.com/watch?v=_BQWpe-QFSg

Mattson, N. 2014. Substrates and Fertilizers for Organic Vegetable Transplant Production. Cornell Greenhouse Horticulture https://greenhouse.cornell.edu/crops-culture/substrates-and-fertilizers-for-organic-vegetable-transplant-production/

Owen, W. G., R. Lopez, S. Beeks, and N. Mattson. 2014. Vermicompost Validity. GrowerTalks. Feb 27, 2014.

https://www.growertalks.com/Article/?articleid=20606

Pest Management

More growers are using biological controls in their greenhouses (biological fungicides, biological control agents and beneficial nematodes).



Go to the UConn Greenhouse IPM website and see section on biological controls and organic fungicides and insecticides under vegetable transplants.

Organic Materials Review Institute (OMRI) Reviews products to determine whether they meet the National Organic Standards for use by organic growers. See searchable website: https://www.omri.org/

Compiled by L. Pundt, Extension Educator UConn Extension. 2020. Updated by L. Pundt, Extension Educator Emeritus, 2023

Disclaimer for Fact Sheets:

The information in this document is for educational purposes only. The recommendations contained are based on the best available knowledge at the time of publication. Any reference to commercial products, trade or brand names is for information only, and no endorsement or approval is intended. UConn Extension does not guarantee or warrant the standard of any product referenced or imply approval of the product to the exclusion of others which also may be available. The University of Connecticut, UConn Extension, College of Agriculture, Health and Natural Resources is an equal opportunity program provider and employer.

