

APPLE IPM RESOURCES

USEFUL EQUIPMENT

- Visor magnifiers for mite scouting
- 10X hand lens
- Apple maggot red ball traps
- Apple odor volatile lures
- Stickum/Tangletrap
- Bright orange flagging to mark trap locations
- Flow meter to check sprayer nozzle or manifold output
- Water sensitive paper for testing spray pattern
- pH paper (5-9 range) or pH meter
- Tapping tray for monitoring plum curculio and mullein plant bug
- Sticky traps for detecting prebloom apple blotch leafminer moths, tarnished plant bug, and European apple sawfly
- Pheromone traps and lures for codling moth and spotted tentiform leafminer. Obliquebanded leafroller and San Jose scale traps where needed.

GENERAL SUPPLIERS (There are others. No endorsement or guarantee is implied or intended.)

Gempler's, 211 Blue Mounds Rd., Mt. Horeb, WI 53572. Tel. (800) 382-8473

Great Lakes IPM, 10220 Church Road NE, Vestaburg, MI 48891. Tel: (800) 235-0285

Northland Holder, RR 1, 284 Ricker Hill Rd., Turner, ME 04282. Tel: (207) 225-6014

Orchard Equipment Supply, Rt. 116, Box 540, Conway, MA 01341. Tel: (413) 369-4335

INFORMATION RESOURCES

Each of the New England Extension Apple programs has a web site

CT <http://www.hort.uconn.edu/ipm/ipmtrfr.htm>

MA <http://www.umass.edu/fruitadvisor>

ME <http://pmo.umext.maine.edu/apple>

NH <http://ceinfo.unh.edu/agipm.htm>

RI <http://www.uri.edu/research/ipm/ipm.htm>

VT <http://orchard.uvm.edu/uvmapple>

Fruit Notes of New England. Quarterly journal with research summaries and other articles on tree-fruit and small fruit pest management and production. To subscribe send \$10 to Fruit Notes, Dept. Plant and Soil Sciences, 205 Bowditch Hall, University of Massachusetts, Amherst, MA 01003. Available on web at MA site.

Common Tree Fruit Pests. 1993. 252 pages. Based on Michigan data, but covers biology and management considerations for most New England tree fruit insect and mite pests. Does not cover diseases or weeds. Over 100 color photographs. Available in hardcover (\$37.50) or laminated (\$30.00). Make check out to Michigan State Univ. Purchase from: Bulletin Office-TFP, Michigan State University, 10B Agricultural Hall, East Lansing, MI 48824-1034. Tel: 517-355-0240. Publication number is NCR-63.

Diseases of Tree Fruits in the East. 1996. 96 pages. A compendium of pome and stone fruit disease fact sheets. 169 color photographs. Available for \$10 from Michigan State University. Publication number is NCR-45. See *Common Tree Fruit Pests* entry for address, etc.

Mid-Atlantic Orchard Monitoring Guide. 1995. Contains thorough information on pest and disease biology, monitoring and treatment, as well as nutrition, irrigation and fruit evaluation. Over 300 color photographs. Price is \$53.50 (make check out to NRAES). Purchase from: NRAES, 152 Riley-Robb Hall, Ithaca, NY 14853-5701. Tel: 607-255-7654. Email: nraes@cornell.edu

Tree-Fruit Insect and Disease Fact Sheets. Series of color photograph fact sheets covering biology and monitoring. Available as web pages at <http://www.nysaes.cornell.edu/factsheets/treefruit/index.html>. Until current inventory is gone, hard copy sets of 33 sheets are also available from Resource Center-GP, 7 Business and Technology Park, Cornell University, Ithaca, NY 14850. Tel: 607-255-2080.

Management Guide for Low-Input Sustainable Apple Production. 1990. 84 pages. Includes sections on economics, orchard planning and horticulture. To purchase, send \$12 to Dr. Lorraine Berkett, Dept. Plant and Soil Sciences, Hills Building, University of Vermont, Burlington, VT 05405.