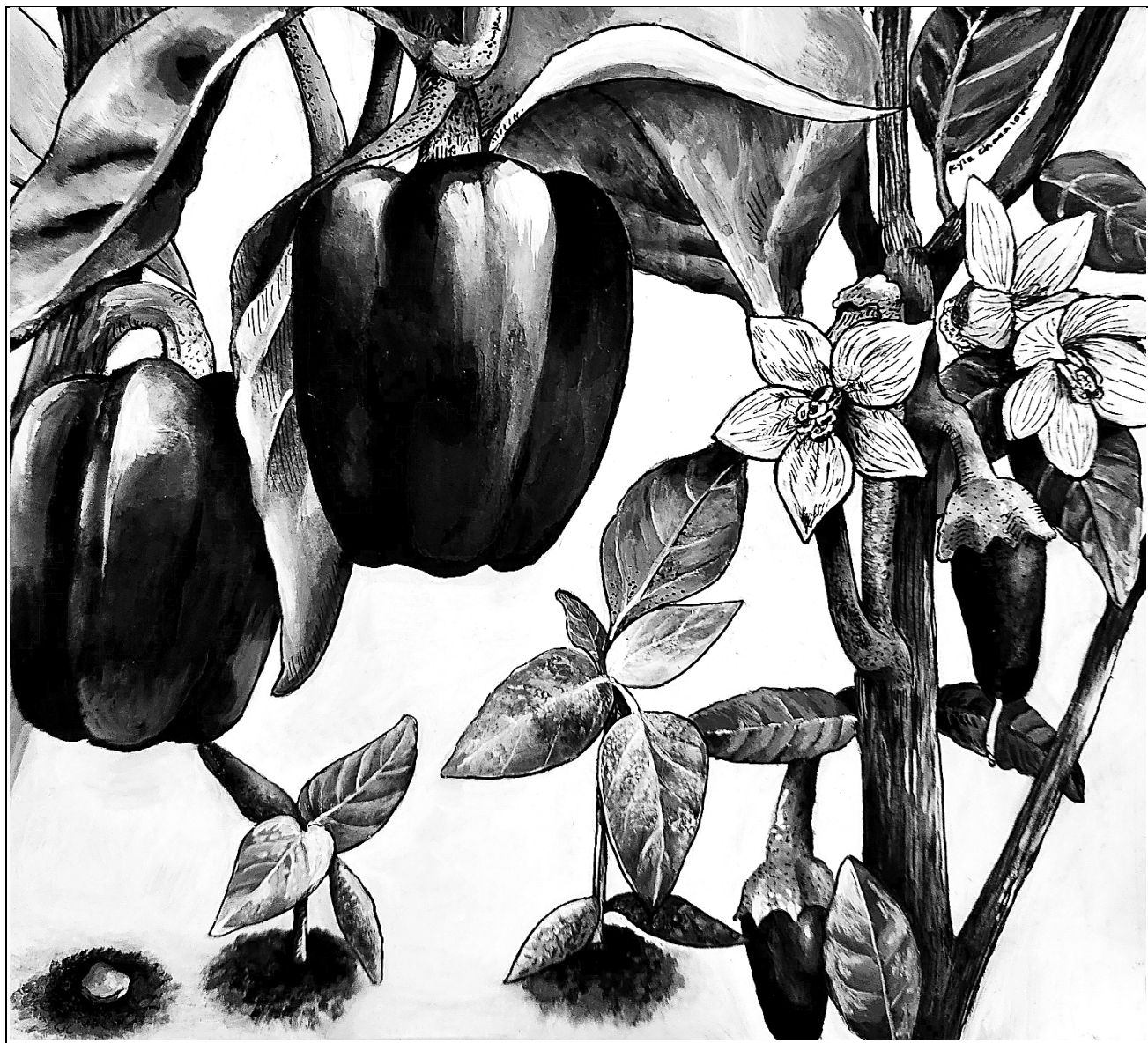


**2026/2027**  
**Mid-Atlantic Commercial Vegetable**  
**Production Recommendations**



**If you are having a medical emergency after using pesticides, always **call 911** immediately.**



**In Case of an Accident**

- Remove the person from exposure
- Get away from the treated or contaminated area immediately
- Remove contaminated clothing
- Wash with soap and clean water
- Call a physician and/or the National Poison Control Center (1-800-222-1222).  
Your call will be routed to your State Poison Control Center.
- **Have the pesticide label with you!**
- Be prepared to give the EPA registration number to the responding center/agency

# Preface

## NOT TO BE USED BY HOME GARDENERS

**This copy of the 2026/2027 Mid-Atlantic Commercial Vegetable Production Recommendations replaces all previous editions of the Commercial Vegetable Production Recommendations published individually for Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia.** Information presented in this publication is based on research results from the University of Delaware, the University of Maryland, Rutgers - The State University of New Jersey, The Pennsylvania State University, Virginia Polytechnic Institute and State University, West Virginia University, Delaware State University, Cornell University, the U.S. Department of Agriculture, and other institutions, combined with industry and grower knowledge and experience.

**This publication will be revised biennially. In January 2027, a Critical Update with important updates for this publication will be communicated through local Extension Agents and Vegetable Specialists.** The editors welcome constructive criticism and suggestions from growers and industry personnel who may wish to help improve future editions of this publication.

**These recommendations are intended for the commercial vegetable grower** who has to make numerous managerial decisions. Although the proper choices of variety, pesticides, equipment, irrigation, fertilizer, and cultural practices are the individual vegetable grower's responsibility, it is intended that these recommendations will facilitate decision-making. Recommended planting dates will vary across the six-state region. Local weather conditions, grower experience, and variety may facilitate successful harvest on crops planted outside the planting dates listed in this guide. This can be evaluated in consultation with the local agents and state specialists. Government agencies and other organizations administering crop insurance programs or other support programs should contact local Extension agents and/or vegetable specialists for guidance.

## Disclaimer

- The label is a legally-binding contract between the user and the manufacturer.
- The user **MUST** follow all rates and restrictions as per label directions.
- The use of any pesticide inconsistent with the label directions is a violation of Federal law.

## Pesticide User Responsibility

Always follow the label and use pesticides safely. For Special Local Needs Label 24(c) registrations or Section 18 exemptions, do not use the material without a copy of the special label or written instructions from your Extension Agent or another recognized authority. **The user is always responsible for the proper use of pesticides, residues on crops, storage, and disposal, as well as for damage caused by drift.**

State and federal pesticide regulations are constantly under revision. Be sure to determine if such changes apply to your situation. Using pesticides inconsistent with label directions is illegal.

## Days Between Last Application and Harvest

The minimum number of days between the last application and harvest (**PHI**, Pre-Harvest Interval, in days) and reentry information (**REI**, Restricted Entry Interval, in hours) are listed in the herbicide, insecticide and fungicide recommendation tables in Chapter F Commodity Recommendations. Always follow the label to avoid the occurrence of deleterious chemical residues on harvested crops.

## Trade or Brand Names

The trade or brand names given herein are supplied with the understanding that no discrimination is intended, and no endorsement is implied. Furthermore, in some instances the same compound may be sold under different trade names, which may vary as to label clearances. For the convenience of our users, both product names and active ingredients are provided, and any product name omissions are unintended.

# Coordinators and Editors

## 2026/2027 Mid-Atlantic Commercial Vegetable Production Recommendations

### Coordinators

**C.A. Wyenandt, Ph.D.**

Extension Specialist in Vegetable Pathology (Rutgers University)

**M.M.I. van Vuuren, Ph.D.** (Rutgers University)

### Discipline Editors

#### **Entomology**

**D. Owens, Ph.D.** (University of Delaware)

#### **Horticulture**

**E. Sánchez, Ph.D.** (Penn State)

#### **Pesticide Safety**

**D.L. Frank, Ph.D.** (Virginia Tech)

#### **Plant Pathology**

**C.A. Wyenandt, Ph.D.** (Rutgers University)

#### **Weed Science**

**M.J. VanGessel, Ph.D.** (University of Delaware)

### Front Cover Illustration

**K.E. Chasalow**

# Contributors

These recommendations were prepared and reviewed by the following individuals from respective institutions with the purpose of providing up to date information for commercial vegetable growers in the Mid-Atlantic states of Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia.

## Cornell University

### **Weed Science**

L. Sosnoskie

## University of Delaware

### **Entomology**

D. Owens

### **Horticulture**

E. Ernest

### **Pathology**

A.M. Betts

### **Weed Science**

M.J. VanGessel

## University of Maryland

### **Entomology**

K.A. Hamby

V. Yurchak

E. Zobel

### **Pathology**

M.J. Hu

### **Weed Science**

K. Vollmer

## University of Massachusetts

### Amherst

### **Weed Science**

M. Gannett

## Penn State University

### **Entomology**

H.L. Grabb

### **Horticulture**

K. Demchak

F. Di Gioia

L. Duque

T.E. Elkner

L. Fronk

E. Sánchez

K. Snyder

### **Weed Science**

D. Lingenfelter

J.M. Wallace

## Rutgers University

### **Entomology**

M. Cramer

A. Quadrel

### **Horticulture**

M. Infante-Casella

W. Kline

M. Melendez

P. Nitzsche

### **Pathology**

C.A. Wyenandt

### **Soil Science**

J. R. Heckman

### **Weed Science**

T. Besançon

## Virginia Tech

### **Entomology**

T.P. Kuhar

K.L. Sutton

J.M. Wilson

### **Horticulture**

J.B. Samtani

### **Pathology**

D. Higgins

D.B. Langston

### **Pesticide Safety**

D.L. Frank

### **Soil Science**

M.S. Reiter

### **Weed Science**

V. Singh

### **Wildlife Conservation**

J.A. Parkhurst

## West Virginia University

### **Entomology**

C.R. Quesada

### **Horticulture**

L.W. Jett

### **Pathology**

M.M. Rahman

### **Weed Science**

R.S. Chandran

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# State Extension Information

## DELAWARE

### University of Delaware

University of Delaware Cooperative Extension: <https://www.udel.edu/canr/cooperative-extension/>

Mid-Atlantic Commercial Vegetable Production Recommendations: publication EB137

Vegetable Program Trial Reports, Publications, and Budgets:

<https://www.udel.edu/academics/colleges/canr/cooperative-extension/sustainable-production/commercial-crops/vegetable-crops/>

Weekly Crop Update Newsletter: <https://sites.udel.edu/weeklycropupdate/>

Delaware Insect Pest Management, Trial Reports, Insect Trapping Program:

<https://www.udel.edu/academics/colleges/canr/cooperative-extension/sustainable-production/pest-management/>

UD Plant Diagnostic Clinic: <https://www.udel.edu/academics/colleges/canr/cooperative-extension/sustainable-production/plant-diagnostic-clinic/>

University of Delaware Weed Science:

<https://www.udel.edu/academics/colleges/canr/cooperative-extension/sustainable-production/weed-science/>

### Statewide

Emmalea Ernest, Extension Specialist, Vegetables & Fruit, 302-856-7303, [emmalea@udel.edu](mailto:emmalea@udel.edu)

Mark VanGessel, Extension Specialist, Weed Science, 302-856-7303, [mjv@udel.edu](mailto:mjv@udel.edu)

Alyssa Betts, Extension Specialist, Plant Pathology, 302-856-7303, [akoehler@udel.edu](mailto:akoehler@udel.edu)

David Owens, Extension Specialist, Entomology, 302-698-7125, [owensd@udel.edu](mailto:owensd@udel.edu)

Jill Pollok Plant Diagnostician, 302-831-1390, [jillp@udel.edu](mailto:jillp@udel.edu)

### County Offices

New Castle County: Carrie Murphy, 302-831-2506, [cjmurphy@udel.edu](mailto:cjmurphy@udel.edu)

Kent County: Drew Harris, 302-730-4000, [raharris@udel.edu](mailto:raharris@udel.edu)

Sussex County: Tracy Wootten, 302-856-7303, [wootten@udel.edu](mailto:wootten@udel.edu)

Sussex County: Cory Whaley, 302-856-7303, [whaley@udel.edu](mailto:whaley@udel.edu)

## MARYLAND

### University of Maryland

Maryland Vegetables: <https://extension.umd.edu/mdvegetables>

University of Maryland Plant Diagnostic Lab: <https://extension.umd.edu/plantdiagnosticlab>

University of Maryland Fruit and Vegetable News: <https://extension.umd.edu/programs/agriculture-food-systems/program-areas/fruit-vegetable-production/vegetable-fruit-news>

Extensión en Español: <https://extensionesp.umd.edu/>

University of Maryland Extension Agriculture & Food Systems Directory:

<https://agmr.umd.edu/about/directory/agriculture-food-systems>

### Statewide

Kurt Vollmer, Weed Management, [kvollmer@umd.edu](mailto:kvollmer@umd.edu)

Veronica Yurchak, Vegetable Production and Entomology, [vjohnso4@umd.edu](mailto:vjohnso4@umd.edu)

Mengjun Hu, Small Fruit Disease Management, [mjhu@umd.edu](mailto:mjhu@umd.edu)

Ana Cristina Fulladolsa, Plant Diagnostician, 301-405-0730, [acfulla@umd.edu](mailto:acfulla@umd.edu)

# State Extension Information

## NEW JERSEY

### Rutgers, The State University of New Jersey

New Jersey Agricultural Experiment Station: <https://njaes.rutgers.edu/ag/>

Fact Sheets and Bulletins: <https://extension.rutgers.edu/fact-sheets>

Plant & Pest Advisory: <https://plant-pest-advisory.rutgers.edu>

Mid-Atlantic Commercial Vegetable Production Recommendations: publication E001  
<https://njaes.rutgers.edu/pubs/publication.php?pid=e001>

Rutgers Pest Management Office: <https://pestmanagement.rutgers.edu/>

### Rutgers NJAES Extension Specialists and IPM Program Personnel

For a complete listing see: <https://njaes.rutgers.edu/extension-specialists/>

Thierry Besançon (Weed Science), A.J. Both (Controlled Environmental Engineering),

Joseph Heckman (Soil Fertility), Amanda Quadrel (Vegetable

IPM Senior Program Coordinator), Maria Cramer (Vegetable IPM Senior Program Coordinator),

Jim Simon (Plant Biology), C.A. Wyenandt (Vegetable Pathology)

### Rutgers Cooperative Extension County Agricultural Agents/Program Associates\* with Vegetable Responsibilities

For a complete listing of county offices and agents see: <https://njaes.rutgers.edu/county/>

Atlantic County, Patrick McMullen, 609-625-0056, [pwm38@njaes.rutgers.edu](mailto:pwm38@njaes.rutgers.edu)

Burlington County, David Hlubik, 609-265-5050, [djh222@njaes.rutgers.edu](mailto:djh222@njaes.rutgers.edu)

Cape May County, Jennifer Sawyer\*, 609-465-5115, [sawyer@njaes.rutgers.edu](mailto:sawyer@njaes.rutgers.edu)

Cumberland County, Wesley Kline, 856-451-2800, [wkline@njaes.rutgers.edu](mailto:wkline@njaes.rutgers.edu)

Gloucester County, Michelle Infante-Casella, 856-224-8040, [minfante@njaes.rutgers.edu](mailto:minfante@njaes.rutgers.edu)

Mercer County, Meredith Melendez, 609-989-6830, [melendez@njaes.rutgers.edu](mailto:melendez@njaes.rutgers.edu)

Monmouth County, William Errickson, 732-431-7260, [william.errickson@njaes.rutgers.edu](mailto:william.errickson@njaes.rutgers.edu)

Morris County, Peter Nitzsche, 973-285-8304, [nitzsche@njaes.rutgers.edu](mailto:nitzsche@njaes.rutgers.edu)

Somerset County, Kate Brown, 908-526-6293, [kbrown@njaes.rutgers.edu](mailto:kbrown@njaes.rutgers.edu)

### Rutgers Vegetable Working Group Directory

For complete listing and contact information see:

<https://nj-vegetable-crops-online-resources.rutgers.edu/> and go to “members” section.

### Rutgers NJAES Plant Diagnostic Lab and Nematode Detection Service

<https://njaes.rutgers.edu/plantdiagnosticlab/>; [rutgerspdl@njaes.rutgers.edu](mailto:rutgerspdl@njaes.rutgers.edu)

20 Indyk-Engel Way, North Brunswick, NJ 08902, phone: 732-932-9140, fax: 732-932-1270

### Rutgers Soil Testing Lab <https://extension.rutgers.edu/soil-testing-lab>

57 US Highway 1, New Brunswick, NJ 08901, phone: 848-932-9295, [soiltest@njaes.rutgers.edu](mailto:soiltest@njaes.rutgers.edu)

### Rutgers NJAES Pesticide Safety Education Program

<https://pestmanagement.rutgers.edu/PAT> (pesticide manuals, record forms, regulations, and safety)

<https://pestmanagement.rutgers.edu/worker-protection/> (WPS training videos and regulations),

phone: 848-932-9802

### Rutgers NJAES OCPE Pesticide Applicator Certification Exam Registration (PACER)

<https://pacer.rutgers.edu/index.php>, phone: 848-932-9271 Option 7; email: [pacer@njaes.rutgers.edu](mailto:pacer@njaes.rutgers.edu)

# State Extension Information

## PENNSYLVANIA

### The Pennsylvania State University

Penn State Extension, including publications, fact sheets, and more: <https://extension.psu.edu>

Mid-Atlantic Commercial Vegetable Production Recommendations: publication AGRS-028:

<https://extension.psu.edu/mid-atlantic-commercial-vegetable-production-recommendations-sections> and

<https://extension.psu.edu/catalog/product/view/id/21333/s/commercial-vegetable-production-recommendations/>

Penn State Vegetable Production: <https://extension.psu.edu/forage-and-food-crops/vegetables> (click on the “News” button to see recent articles related to vegetable and small fruit production)

### Penn State Vegetable Team Directory

For a complete listing and contact information of Extension offices throughout Pennsylvania, see:

<https://extension.psu.edu/county-offices>

**Plant Disease Clinic:** <https://plantpath.psu.edu/about/facilities/plant-disease-clinic>

220 Buckhout Laboratory, University Park, PA 16802, phone: 814-865-2204 [PlantClinic@psu.edu](mailto:PlantClinic@psu.edu)

### Insect Identification Laboratory:

<https://ento.psu.edu/about/contact/instructions-for-insect-identification-requests>, 501 Agricultural Sciences and Industries Building, University Park, PA 16802, phone: 814-865-1895 [entomology@psu.edu](mailto:entomology@psu.edu)

**Agricultural Analytical Services Laboratory:** <https://agsci.psu.edu/aasl>,

111 Ag Analytical Services Lab, University Park, PA 1682, phone: 814-863-0841, [aaslab@psu.edu](mailto:aaslab@psu.edu)

## VIRGINIA

### Virginia Tech & Virginia State University

Virginia Cooperative Extension (VCE): <https://ext.vt.edu/>

VCE Publications and Educational Resources: <https://ext.vt.edu/agriculture.html> and Mid-Atlantic Commercial

Virginia Tech Pesticide Programs (VTPP): <https://vtpp.ento.vt.edu/>

### Virginia Extension Specialists

Douglas S. Higgins, Assistant Professor, Plant Pathology, 757-807-6584, [doughiggins@vt.edu](mailto:doughiggins@vt.edu)

Thomas P. Kuhar, Professor, Entomology, 540-231-6129, [tkuhar@vt.edu](mailto:tkuhar@vt.edu)

David B. Langston, Jr., Professor, Plant Pathology, 757-657-6450, [dblankston@vt.edu](mailto:dblankston@vt.edu)

James A. Parkhurst, Associate Professor, Wildlife, 540-231-9283, [jbparkhur@vt.edu](mailto:jbparkhur@vt.edu)

Mark S. Reiter, Professor, Soils and Nutrient Management, 757-807-6576, [mreiter@vt.edu](mailto:mreiter@vt.edu)

Steve L. Rideout, Professor, Plant Pathology, 540-231-3197, [srideout@vt.edu](mailto:srideout@vt.edu)

Jayesh B. Samtani, Associate Professor, Small Fruit, 757-363-3901, [jsamtani@vt.edu](mailto:jsamtani@vt.edu)

Vijay Singh, Associate Professor, Weed Science and Precision Agriculture, 757-807-6579, [vijaysingh@vt.edu](mailto:vijaysingh@vt.edu)

Laura K. Strawn, Professor, Food Science, 540-315-4925, [lstrawn@vt.edu](mailto:lstrawn@vt.edu)

Kemper L. Sutton, Assistant Professor, Entomology, 757-807-6586, [klsutton@vt.edu](mailto:klsutton@vt.edu)

James Wilson, Apiculturist, 540-231-2168, [keepbees@vt.edu](mailto:keepbees@vt.edu)

**Plant Disease Clinic** <https://spes.vt.edu/affiliated/plant-disease-clinic.html>

Virginia Tech, 106 Price Hall, 170 Drillfield Drive, Blacksburg, VA 24061-0331

Phone: 540-231-6758, [clinic@vt.edu](mailto:clinic@vt.edu)

Or contact the local VCE: <https://ext.vt.edu/offices.html>

**Insect Identification Lab** <https://www.ento.vt.edu/idlab.html>

205A Price Hall, 170 Drillfeld Drive, Virginia Tech Blacksburg, VA 24061-0319

Phone: 540-231-4899, [insectidlab@vt.edu](mailto:insectidlab@vt.edu)

Or contact the local VCE: <https://ext.vt.edu/offices.html>

# State Extension Information

## WEST VIRGINIA

### West Virginia University Extension Service:

<https://extension.wvu.edu/agriculture/horticulture>

### West Virginia University Extension Specialists

Lewis W. Jett, Ph.D., Extension Horticulture Specialist, 304-293-2634, [Lewis.Jett@mail.wvu.edu](mailto:Lewis.Jett@mail.wvu.edu)

Rakesh S. Chandran, Ph.D., Extension Weed Specialist and IPM Coordinator, 304-293-2603,

[RSChandran@mail.wvu.edu](mailto:RSChandran@mail.wvu.edu)

Mahfuz M. Rahman, Ph.D., Extension Plant Pathology Specialist, 304-293-8838, [MM.Rahman@mail.wvu.edu](mailto:MM.Rahman@mail.wvu.edu)

Carlos R. Quesada, Ph.D., Extension Entomology Specialist, 304-293-8835, [carlos.quesada@mail.wvu.edu](mailto:carlos.quesada@mail.wvu.edu)

### Plant Diagnostic Clinic

<https://extension.wvu.edu/lawn-gardening-pests/plant-disease/plant-diagnostic-clinic>

G102 South Ag. Sciences Building, PO Box 6108, Morgantown, WV 26506-6108

Phone: 304-293-8838/288-9541, [mm.rahman@mail.wvu.edu](mailto:mm.rahman@mail.wvu.edu)

### Soil Testing Lab

<https://soiltesting.wvu.edu>

1309-B Agricultural Sciences Bldg., PO Box 6108, Morgantown, WV 26506-6108,

Phone: 304-293-6023, [infoplantsoil@mail.wvu.edu](mailto:infoplantsoil@mail.wvu.edu)

# Table of Contents

<b>Preface</b>	<b>i</b>
<b>Coordinators and Editors</b>	<b>ii</b>
<b>Contributors</b>	<b>iii</b>
<b>State Extension Information</b>	<b>iv</b>
<b>Table of Contents</b>	<b>viii</b>
<b>Tables and Figures</b>	<b>x</b>
<b>Abbreviations and Acronyms</b>	<b>xii</b>

<b>Chapter</b>	<b>Section</b>	<b>Title</b>	<b>Page</b>
<b>A</b> <b>Generalroduction</b> <b>Recommtions</b>	<b>1</b>	Varieties	1
	<b>2</b>	Seed Storage and Handling	2
	<b>3</b>	Specialty Vegetables	3
	<b>4</b>	Organic Production	7
	<b>5</b>	Transplant Production	8
	<b>6</b>	Conservation Tillage Crop Production (No-Till, Strip-Till)	13
	<b>7</b>	Mulches and Row Covers	14
	<b>8</b>	Staking and Trellising	17
	<b>9</b>	High Tunnels	17
	<b>10</b>	Greenhouse Production	20
	<b>11</b>	Wildlife Damage Prevention	21
	<b>12</b>	Pollination	30
	<b>13</b>	Food Safety Concerns	36
<b>B</b> <b>Soil and Nient</b> <b>Managemt</b>	<b>1</b>	Soils	39
	<b>2</b>	Liming Soils	39
	<b>3</b>	Plant Nutrients	44
	<b>4</b>	Nutrient Management	47
	<b>5</b>	Soil Improvement and Organic Nutrient Sources	55
<b>C</b> <b>Irrigation</b> <b>Managemt</b>	<b>1</b>	Basic Principles	60
	<b>2</b>	Drip (Trickle) Irrigation	62
	<b>3</b>	Fertigation	67
	<b>4</b>	Subsurface Drip Irrigation Systems	68
	<b>5</b>	Chemigation	69
<b>D</b> <b>Pesticide Safety</b>	<b>1</b>	General Information	70
	<b>1.1</b>	Pesticide Registration	70
	<b>1.2</b>	Pesticides and Food Safety	70
	<b>2</b>	Certification of Pesticide Applicators	71
	<b>3</b>	The Pesticide Label	72
	<b>3.1</b>	Labels and Labeling	72
	<b>3.2</b>	Label Statements	73
	<b>3.2.1</b>	Restricted Use Pesticide Classification Statement	73
	<b>3.2.2</b>	Signal Words	73
	<b>3.2.3</b>	First Aid Statements	75
	<b>3.2.4</b>	Other Label Statements	76
	<b>3.3</b>	Significant Labeling Changes	77
	<b>3.3.1</b>	Soil Fumigants	77
	<b>3.3.2</b>	Paraquat Dichloride (Paraquat)	77
<b>3.3.3</b>	Chlorpyrifos	78	

Table of Contents - continued next page

*Table of Contents - continued*

<b>Chapter</b>	<b>Section</b>	<b>Title</b>	<b>Page</b>	
<b>D</b> <b>Pesticide Safety</b> <i>- contin</i>	<b>4</b>	Handling Pesticides	78	
	<b>4.1</b>	Prior to Pesticide Application	78	
	<b>4.2</b>	Pesticide Application and Recordkeeping	79	
	<b>4.3</b>	Pesticide Transport	81	
	<b>4.4</b>	Pesticide Storage	81	
	<b>4.5</b>	Disposal of Pesticides	82	
	<b>4.6</b>	Disposal of Pesticide Containers	83	
	<b>4.7</b>	Pesticide Spills	85	
	<b>5</b>	Reducing Risks to Handlers and Workers	86	
	<b>5.1</b>	EPA's Worker Protection Standard	86	
	<b>5.2</b>	Personal Protective Equipment for Pesticides	89	
	<b>5.2.1</b>	Body Protection for Early Entry Workers and Pesticide Handlers	90	
	<b>5.2.2</b>	Respiratory Protection for Pesticide Handlers	91	
	<b>6</b>	Protection of the Environment	92	
	<b>6.1</b>	Minimize Off-Target Drift	92	
	<b>6.2</b>	Protection of Surface and Ground Water	93	
	<b>6.3</b>	Protection of Non-Target Organisms	95	
	<b>6.3.1</b>	Protection of Pollinators	95	
	<b>6.3.2</b>	Protection of Endangered Species	99	
	<b>7</b>	Mid-Atlantic Region Pesticide Program Contacts	102	
	<b>E</b> <b>Pest Manageent</b>	<b>1</b>	How to Improve Pest Management	104
		<b>1.1</b>	Recommendations for More Effective Pest Control	104
		<b>1.2</b>	Calibrating Field Sprayers	108
<b>1.3</b>		Calibrating Granular Applicators	109	
<b>1.4</b>		Pesticide Drift and Misapplication	110	
<b>1.5</b>		Soil Fumigation	111	
<b>1.6</b>		Nematode Control	111	
<b>2</b>		Weed Control	115	
<b>2.1</b>		Postharvest Perennial Weed Control	115	
<b>2.2</b>		Herbicide Mode of Action	115	
<b>2.3</b>		Herbicide Effectiveness on Common Weeds in Vegetables	118	
<b>2.4</b>		Weed Species Prone to Resistance and of Concern in the Mid-Atlantic Region	121	
<b>2.5</b>		Crop Rotation Planting Restrictions	122	
<b>2.6</b>		Prepackaged Herbicide Mixtures	133	
<b>3</b>		Insect Control	135	
<b>3.1</b>		Soil Pests - Detection and Control	135	
<b>3.2</b>		Insecticide Mode of Action	138	
<b>3.3</b>		Insect Pest and Mite Control for Greenhouse Production	138	
<b>3.4</b>		Insect Pest and Mite Control for Chemigation	142	
<b>3.5</b>		Other Labeled Formulations for Insecticides	142	
<b>3.6</b>		Biological or Organic Insecticides	144	
<b>4</b>		Disease Control	146	
<b>4.1</b>		Fungicide Mode of Action	146	
<b>4.2</b>		How Biofungicides Work	146	
<b>4.3</b>		Disease Control in Seeds, Plant Growing Mix, and Plant Beds	147	
<b>4.4</b>		Fungicides Registered for Vegetables	148	
<b>4.5</b>		Disease Control for Greenhouse Production	155	

*Table of Contents - continued next page*

*Table of Contents - continued*

Chapter	Section	Title	Page
<b>F</b> <b>Commodity Recommendations</b>		Pesticide Use Disclaimer	160
		Asparagus	161
		Beans (Snap and Lima)	171
		Beets (Garden)	186
		Carrots	191
		Celery	198
		Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, and Kohlrabi	206
		Cucumbers	223
		Edamame	238
		Eggplant	245
		Garlic	255
		Greens (Mustard, Turnip)	262
		Horseradish	269
		Leeks	275
		Lettuce, Endive and Escarole	280
		Muskmelons and Mixed Melons	289
		Okra	304
		Onions	310
		Parsley	319
		Parsnips	325
		Peas (Succulent)	329
		Peppers	337
		Potatoes	354
		Pumpkins and Winter Squash	368
		Radishes, Rutabagas and Turnips	383
		Spinach	390
	Strawberries	397	
	Summer Squash	416	
	Sweet Corn	429	
	Sweet Potatoes	446	
	Tomatoes	453	
	Watermelons	476	
<b>G</b> <b>Resources</b>	<b>1</b>	Vegetable Seed Sizes	494
	<b>2</b>	Plant Spacing and Popultions	494
	<b>3</b>	Frequently Used Weightnd Measures	495
	<b>4</b>	Making a Plant-Growing ix	495

## Tables and Figures

Figure	Title	Page
B-1	Nutrient Application Rates Vary in Relation to Soil Test Category	44
B-2	Petiole Delineation for Several Plant Species	52
B-3	Changes in Soil Test Levels over Time under Different Nutrient Management Scenarios	54
E-1	Droplet Size and Surface Coverage, and Trade-off Between Spray Coverage and Drift Reduction	106

*Tables and Figures - continued next page*

*Tables and Figures - continued*

<b>Table</b>	<b>Title</b>	<b>Page</b>
A-1	World Vegetable Crops for Mid-Atlantic Growers	4
A-2	Baby and Miniature Vegetable Varieties and Harvest Stage	5
A-3	Potherbs and Salad Greens	6
A-4	Temperature and Planting Recommendations for Transplant Production	9
A-5	Planting and Harvesting Schedule for Freestanding High Tunnel Vegetable Crop Production	20
A-6	State Apiarist Contact Information	31
B-1	Target Soil pH Values for Vegetable Crops	40
B-2	Pounds of Calcium Carbonate Equivalent (CCE) Recommended per Acre	43
B-3	Conversion of Recommended Calcium Carbonate Equivalent to Recommended Limestone	43
B-4a,b	Soil Test Categories for Nutrients Extracted by Mehlich 3 and 1	45
B-5	Composition of Principal Macronutrient Fertilizer Materials	49
B-6	Chemical Sources of Secondary and Micronutrients	49
B-7	Boron Recommendations Based on Soil Tests for Vegetable Crops	51
B-8	Recommendations for Correction of Vegetable Crop Nutrient Deficiencies	53
B-9	Sufficiency Ranges for Fresh Petiole Sap Concentrations in Vegetable Crops	53
B-10	Plant Nutrient Value Credits to Be Allowed for Manure Applications and Crop Residues	58
B-11	Status for Organic Production, Mineral Nutrient Value, and Relative Availability of Various Materials	58
C-1	Most Critical Periods of Water Needs by Crops	60
C-2	Available Water-Holding Capacity Based on Soil Texture	61
C-3	Soil Infiltration Rates Based on Soil Texture	61
C-4	Irrigation Applied per Hour per Cropped Acre (Inches)	63
C-5	Maximum Number of Hours per Application for Drip Irrigated Vegetables	63
C-6	Irrigation Guidelines for Tensiometers	64
C-7	Equivalent Injection Proportions	67
D-1	EPA Signal Words According to Toxicity Categories (I, II, III, IV) of Pesticide Products	74
E-1	Ground Speed Conversion	108
E-2	Important Herbicide Groups for Commercial Vegetables	116
E-3	Herbicide Effectiveness on Common Weeds in Vegetables	118
E-4	Weed Species Prone to Resistance and of Concern in the Mid-Atlantic Region	121
E-5	Crop Rotation Planting Restrictions: Months After Herbicide Application Until Planting New Crop	122
E-6	Prepackaged Herbicide Mixtures	133
E-7	Insecticides and Miticides Labeled for Use on Greenhouse Vegetables	138
E-8	Insecticides with Labels for Chemigation	142
E-9	Other Labeled Formulations for Insecticides	142
E-10	Biological or Organic Insecticides	144
E-11	FRAC Codes and Corresponding Chemical Groups for Commonly Used Fungicides	146
E-12	Effective Seed Treatment Temperature Protocols (2 <sup>nd</sup> Bath) for Pathogen Eradication	148
E-13	Commonly Used Fungicides Registered for Vegetables	149
E-14	Selected Fungicides Labeled for Greenhouse Use	155
G-1	Vegetable Seed Sizes	494
G-2	Plant Spacing and Populations	494
G-3	Frequently Used Weights and Measures	495
G-4	Simple Plant-Growing Mix	496
G-5	Preferred Plant-Growing Mix	496

# Abbreviations and Acronyms

## Units of Measurement

/A	per acre
bu	bushel(s)
°C	degrees Celsius
cc	cubic centimeter(s)
cu ft	cubic foot (feet)
cu yd	cubic yard(s)
cwt	hundredweight
d	day(s)
°F	degrees Fahrenheit
ft	foot (feet)
fl oz	fluid ounce(s)
g	gram(s)
gal	gallon(s)
gpm	gallons per minute
h	hour(s)
in	inch(es)
lb	pound(s)
min	minute(s)
mph	miles per hour
oz	ounce(s)
ppm	parts per million
psi	pounds per square inch
pt	pint(s)
qt	quart(s)
sq ft	square foot (feet)
tbs	tablespoon(s)
tsp	teaspoon(s)
wk	week(s)
yr	year(s)

## Product Formulations

A	acid
CS	capsulated suspension
D	dust
DF	dry flowable
DP	dry prill
DS	dry salt
E	emulsion
EC	emulsifiable concentrate
ES	emulsifiable suspension
EW	emulsion in water
F	flowable
FC	flowable concentrate
FL	fluid
FM	flowable micro-encapsulated
G	granule

## Product Formulations (*continued*)

L	liquid
LC	liquid concentrate
LF	liquid flowable
LFR	liquid fertilizer ready
LV	low volatile
ME	micro-encapsulated
OF	oil formulation
SC	spray concentrate, soluble concentrate
SE	suspoemulsion
SG	soluble granules
SL	soluble liquid
SP	soluble powder
W	wettable
WBE	water-based emulsion
WDG	water-dispersible granules
WDL	water-dispersible liquid
WP	wettable powder
WS	water soluble
WSB	water-soluble bag
WSP	water-soluble packet
ZC	CS and SC mixture

## Other

ae	acid equivalent
ai	active ingredient
AMS	ammonium sulfate
AP	at planting
COC	crop oil concentrate
FRAC	Fungicide Resistance Action Committee
HRAC	Herbicide Resistance Action Committee
IRAC	Insecticide Resistance Action Committee
K	potassium
K <sub>2</sub> O	available potash
MoA	mode of action
MSO	methylated seed oil
N	nitrogen
NIS	non-ionic surfactant
OLF	other labeled formulations
OMRI	Organic Materials Research Institute
P	phosphorus
P <sub>2</sub> O <sub>5</sub>	available phosphoric acid
PHI	Pre-Harvest Interval (in days)
REI	Restricted Entry Interval (in hours)
TR	Toxicity Rating
WSSA	Weed Science Society of America

