

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>ALLIUM</b> (mainly Onion, some products for Garlic, Leek, Chives, Shallot)		<b>Diseases:</b>	Botrytis leaf blight	Botrytis Neck rot	Downy mildew	Purple blotch (Alternaria)
ACTIVE INGREDIENT	PRODUCT	EPA #				
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58			x	x
Chlorothalonil	BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU GARDENTECH DACONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	4-410 67572-82-71004 239-2522	x		x	x
Chlorothalonil	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE ECHO LITE	60063-9-4 60063-9	x	x	x	x
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x		x	x
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829			x	x
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x	
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x		x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x	x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>BEANS</b> (Snap)		Diseases:	Anthracnose (Colletotrichum)	Ascochyta leaf & pod spot	Brown spot (Pseudomonas)	Common blight (Xanthomonas)	Halo blight (Pseudomonas)	Botrytis/Gray mold	Downy mildew (Phytophthora)	Powdery mildew (Erysiphe)	Rust (Uromyces)	White mold (Sclerotinia)
ACTIVE INGREDIENT	PRODUCT	EPA #										
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x		x	x	x		x			
Chlorothalonil	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONC. BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE rtu ECHO LITE GARDENTECH DACONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522						x			x	
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x	x				x	x	x	x	
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x	x	x	x	x	x		x
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829				x	x					
Mineral Oil	All SEASONS HORT. & DORMANT SPRAY OIL	4-80								x	x	
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x	x				x	x	x	x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x		x	x	x	x	x	x	x	x
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564								x	x	

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>BEET</b>		<b>Diseases:</b>	Bacterial leaf blight (Xanthomonas)	Downy mildew	Early blight/Leaf spot (Cercospora)	Powdery mildew	White rust (Albugo)
ACTIVE INGREDIENT	PRODUCT	EPA #					
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL, GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705, 70051-2-39609, 70051-2-4		x	x	x	
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829			x		
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872		x	x	x	x
Mineral Oil	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80				x	
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401		x	x	x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x	x	
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564			x	x	

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>BRASSICA</b> (cole crops such as Broccoli, Cabbage, Cauliflower)		Diseases:	Alternaria leaf spot	Black rot (Xanthomonas)	Downy mildew (Peronospora)	Powdery mildew (Erysiphe)	White mold (Sclerotinia)
ACTIVE INGREDIENT	PRODUCT						
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x	x	x		
Chlorothalonil	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU ECHO LITE GARDENTECH DACONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522	x		x		
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x		x	x	
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829		x			
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x		x	x	x
Mineral Oil	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80	x			x	
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x		x	x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels)  SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x	x	x
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564	x			x	

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>CARROT</b>		<b>Diseases:</b>	Bacterial leaf blight (Xanthomonas)	Downy mildew	Early blight/Leaf spot (Cercospora)	Late blight/Leaf spot (Alternaria)	Powdery mildew (Erysiphe)
ACTIVE INGREDIENT	PRODUCT	EPA #					
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58		x	x		
Chlorothalonil	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU ECHO LITE GARDENTECH DAPONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522			x	x	
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4		x	x	x	x
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829		x	x		
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x		
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401		x	x	x	x
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x	x	x
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564			x	x	x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>CORN</b> (Sweet)		Diseases:	Cercospora leaf spot	Helminthosporium leaf blight	Common rust (Puccinia)
ACTIVE INGREDIENT	PRODUCT				
<b>Chlorothalonil</b>	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU ECHO LITE GARDENTECH DACIONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522		x	x
<b>Clarified Hydrophobic Extract of Neem Oil</b>	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x		x
<b>Copper Diammonia Diacetate Complex</b>	LIQUID COPPER FUNGICIDE	10465-3-829		x	
<b>Copper Octanoate (Copper Soap)</b>	SOAP-SHIELD	67702-2-56872	x		x
<b>Mineral Oil</b>	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80	x		
<b>Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil</b>	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x		x
<b>QST 713 strain of <i>Bacillus subtilis</i></b>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels)  SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x
<b>Sulfur, Pyrethrins</b>	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564	x	x	x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>CUCURBITS</b> (may include Squash, Melon, Cucumber, Pumpkin)		Diseases:	Anthracnose (Colletotrichum)	Alternaria leaf blight/spot	Angular leaf spot (Pseudomonas)	Cercospora leaf spot	Downy mildew (Pseudoperonospora)	Gummy stem blight (black rot)	Powdery mildew (Sphaerotheca)	Scab (Cladosporium)	Target spot (Corynespora)	Ulocladium leaf spot
ACTIVE INGREDIENT	PRODUCT											
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x	x	x		x	x	x	x		
Chlorothalonil	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU ECHO LITE GARDENTECH DACONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522	x	x		x	x	x	x	x	x	
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x	x		x	x		x	x		
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829	x	x	x		x	x	x			
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x		x		x	x		x
Mineral Oil	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80		x				x	x			
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x	x		x	x		x	x	x	x
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x	x	x		x		x	
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564		x		x			x			x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>EGGPLANT</b>		<b>Diseases:</b>	Cercospora leaf spot	Early blight (Alternaria)	Botrytis/Gray mold	Phomopsis	Phytophthora rot/blight
ACTIVE INGREDIENT	PRODUCT	EPA #					
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58		x		x	
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL	70051-2-54705		x			
	GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE	70051-2-39609	x	x	x		
	CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-4					
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829		x		x	
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x		
Mineral Oil	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80		x			
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU	70051-74-4	x		x		
	FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-7401					
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels)	69592-12-56872 or 264-1152-56872	x	x	x		
	SERENADE GARDEN DISEASE CONTROL CONCENTRATE	264-1152					x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.



# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

LETTUCE		Diseases:	Botrytis/Gray mold	Downy mildew ( <i>Bremia lactucae</i> )	Powdery mildew ( <i>Golovinomyces</i> )	Sclerotinia head/leaf drop
ACTIVE INGREDIENT	PRODUCT					
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58		x		
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL	70051-2-54705				
	GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE	70051-2-39609	x	x	x	
	CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-4				
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872		x	x	
Mineral Oil	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80			x	
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU	70051-74-4				
	FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-7401	x	x	x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels)	69592-12-56872 or 264-1152-56872				
	SERENADE GARDEN DISEASE CONTROL CONCENTRATE	264-1152	x	x		x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>PARSNIP</b>		<b>Diseases:</b>	Alternaria leaf spot	Anthracnose	Botrytis/Gray mold	Bottom rot (Rhizoctonia)	Downy mildew
ACTIVE INGREDIENT	PRODUCT	EPA #					
<b>Chlorothalonil</b>	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE ECHO LITE	60063-9-4 60063-9	x	x	x	x	x
<b>Clarified Hydrophobic Extract of Neem Oil</b>	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x	x	x		x
<b>Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil</b>	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x	x	x		x
<b>QST 713 strain of <i>Bacillus subtilis</i></b>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x		x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

PEA		Diseases:	Ascochyta leaf spot	Bacterial blights	Downy mildew (Peronospora)	Powdery mildew (Erysiphe)	White mold (Sclerotinia)
ACTIVE INGREDIENT	PRODUCT	EPA #					
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x		x	x	
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x		x	x	
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829		x			
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x	x	x
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x		x	x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152		x	x	x	x
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564	x			x	

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>PEPPER</b>		<b>Diseases:</b>	Anthracnose ( <i>Colletotrichum</i> )	Bacterial spot	Botrytis/Gray mold	Cercospora leaf spot	Downy mildew ( <i>Peronospora</i> )	Leaf spots	Phytophthora rot/blight	Powdery mildew ( <i>Leveillula taurica</i> )
<b>(ACTIVE INGREDIENT)</b>	<b>PRODUCT</b>									
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x	x		x	x			
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x		x	x	x	x		x
Copper + carbaryl, rotenone	BONIDE DRAGOON DUST WITH COPPER	4-474	x	x		x		x		
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829		x		x				
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872	x	x	x	x		x		
Mineral Oil	ALL SEASONS HORT. & DORMANT SPRAY OIL	4-80								x
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x		x	x	x	x		x
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels)  SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152,	x	x	x	x	x	x	x	x
Sulfur, Pyrethrins	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564				x		x		x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>POTATO</b>		<b>Diseases:</b>	Black dot ( <i>Colletotrichum</i> )	Botrytis/Gray mold	Botrytis vine rot	Early blight ( <i>Alternaria</i> )	Late blight ( <i>Phytophthora infestans</i> )
ACTIVE INGREDIENT	PRODUCT	EPA #					
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58				x	x
Chlorothalonil	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU ECHO LITE GARDENTECH DACONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522			x	x	x
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4		x	x	x	
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829				x	x
Copper Octanoate (Copper Soap)	SOAP-SHIELD	67702-2-56872		x		x	x
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401		x	x		
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x		x	x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

SPINACH		Diseases:	Anthracnose	Downy mildew (blue mold)	Leaf spot (Cladosporium)	Leaf spot (Cercospora)	White rust
			ACTIVE INGREDIENT	PRODUCT	EPA #		
Basic Copper Sulfate	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x	x		x	x
Clarified Hydrophobic Extract of Neem Oil	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x	x	x	x	
Copper Diammonia Diacetate Complex	LIQUID COPPER FUNGICIDE	10465-3-829	x	x		x	
Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x	x	x	x	
QST 713 strain of <i>Bacillus subtilis</i>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels), SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x		x	

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.

# 2023 Fungicides for home vegetable garden use in New York State

Updated for 2023 by S.L. Jensen

<b>TOMATO</b>		<b>Diseases:</b>	Anthracnose (Collectotrichum)	Bacterial speck	Bacterial spot	Botrytis/Gray mold	Early blight (Alternaria)	Gray leaf spot (Stemphylium)	Late blight (Phytophthora infestans)	Powdery mildew	Septoria leaf spot
ACTIVE INGREDIENT	PRODUCT	EPA #									
<b>Basic Copper Sulfate</b>	BONIDE COPPER FUNGICIDE SPRAY OR DUST RTU	4-58	x	x	x	x	x	x	x		x
<b>Chlorothalonil</b>	BONIDE FUNG-ONIL MULTI-PURPOSE FUNGICIDE CONCENTRATE BONIDE FUNG-ONIL MULTI PURPOSE FUNGICIDE RTU ECHO LITE GARDENTECH DACONIL FUNGICIDE CONCENTRATE ORTHO MAX GARDEN DISEASE CONTROL CONCENTRATE	60063-9-4 4-410 60063-9 67572-82-71004 239-2522	x			x	x	x	x		x
<b>Clarified Hydrophobic Extract of Neem Oil</b>	70% NEEM OIL GARDEN SAFE BRAND FUNGICIDE 3 CONCENTRATE CAPTAIN JACK'S NEEM OIL CONCENTRATE	70051-2-54705 70051-2-39609 70051-2-4	x			x		x		x	x
<b>Copper Diammonia Diacetate Complex</b>	LIQUID COPPER FUNGICIDE	10465-3-829		x	x		x		x		
<b>Copper Octanoate (Copper Soap)</b>	SOAP-SHIELD	67702-2-56872	x	x	x	x	x		x		x
<b>Pyrethrins, Piperonyl Butoxide, Hydrophobic Extract of Neem Oil</b>	BON-NEEM II FUNGICIDE-MITICIDE-INSECTICIDE RTU FERTI-LOAM TRIPLE ACTION PLUS RTU	70051-74-4 70051-74-7401	x			x		x		x	x
<b>QST 713 strain of <i>Bacillus subtilis</i></b>	PLANT GUARDIAN BIOFUNGICIDE LIQUID CONCENTRATE (2 labels) SERENADE GARDEN DISEASE CONTROL CONCENTRATE	69592-12-56872 or 264-1152-56872 264-1152	x	x	x	x	x		x	x	x
<b>Sulfur, Pyrethrins</b>	CAPTAIN JACK'S TOMATO & VEGETABLE RTU NATRIA INSECT, DISEASE & MITE CONTROL RTU	67702-15-4 67702-15-92564						x		x	x

Some products may be for disease suppression only. Read the label before purchasing. This list is not intended to be all-inclusive, but provides a sampling of products registered at the time the list was compiled. Additional products containing the same active ingredients may also be available. Be certain pesticide formulation(s) you purchase and/or plan to apply are registered and labeled for the intended use. Follow label directions. A pesticide's registration status and label may be accessed online at: <http://www.dec.ny.gov/nyspad/products?0>.