

Listing of OMRI Products for Vegetable use by Category from 2014 OMRI Product List, Web edition, as of 06/23/2014;
 (Product = no longer listed by OMRI or not listed by NYS DEC). Current status if registered with NY DEC is indicated by either a
Yes or No. T.A. Zitter, Department of Plant Pathology and Plant-Microbe Biology, Cornell University, Ithaca, NY 14850

<u>Category</u>	<u>Company</u>	<u>Page No.</u> <u>OMRI</u>	<u>NYS DEC Reg (Y or N) and No.,</u> <u>for Agriculture or others</u>
<u>COPPERS</u>	<u>XXXX</u>	<u>XXXX</u>	<u>XXXX</u>
Agri Star Basic Copper 53	Albaugh	4	YES for <u>Basic Copper 53</u> - 45002-8; 3/17/2004; REI 24hrs.
Agri Star COC WP	Albaugh	4	NO
Agri Star Nu Cop 50WP	Albaugh	4	YES, <u>Nu-Cop 50 WP</u> - 45002-7; 03/01/2004; REI 24 hrs.
<u>Badge X₂</u> (<i>copper oxychloride + copper hydroxide</i>)	Isagro USA	11	YES – 80289-12 (<u>Ag</u>) (March 11, 2013) REI 48 hrs.
8) <u>Basic copper 53</u> (<i>copper sulfate</i>)	Albaugh	9	YES – 45002-8 (<u>Ag</u>) (March 17, 2004)
<u>Camelot O</u> (<i>copper octanoate</i>)	SePRO Corp.	24	YES – 67702-2-67690 (<u>Ag</u>) (11/26/2012) REI 4hrs.
<u>Champ WG§</u> (<i>copper hydroxide</i>)	Nufarm Americas, Inc.	25	YES - 55146-1 (T&O, <u>Ag</u>) (June 13, 2012) REI 48 hrs.
13) <u>COC WP§</u> (<i>copper oxychloride</i>)	Albaugh, Inc.	20	NO
<u>Cueva Fungicide Concentrate</u> (<i>octanoic acid, copper salt</i>)	W Neudorff/Certis USA	30	Yes – 67702-2-70051 (<u>Ag</u>) (11/18/2013) REI 4 hrs.
<u>Nordox 75 WG§</u> (<i>cuprous oxide</i>)	Nordox AS	81	Yes - 48142-4 (<u>Ag</u>) (Feb 1, 2011) REI 12 hrs.
Nu Cop 50DF§ (<i>copper hydroxide</i>); also <u>Nu-Cop HB</u>	Albaugh, Inc.	82	NO for 50DF; YES for HB - 42750-132- (<u>Ag</u>); (08/22/2006) REI 24 hrs.
<u>BIOLOGICALS</u>	<u>XXXX</u>	<u>XXXX</u>	<u>XXXX</u>
1) <u>Actino Iron</u> ® Biological Fungicide§ (<i>Streptomyces lydicus</i> WYEC 108)	Natural Industries, Inc.	2	YES - 73314-2 (June 30, 2009) REI 4 hrs.

Actinovate AG§ (<i>Streptomyces lydicus</i> WYEC 108)	Natural Industries, Inc.	2	YES - 73314-1 (June 30, 2009) REI 1hr.
Actinovate SP§ (<i>Streptomyces lydicus</i> WYEC 108)	Natural Industries, Inc.	2	YES - 73314-1 (June 30, 2009) REI 1 hr.
7) Ballad Plus Biofungicide§ (<i>Bacillus pumilus</i> strain QST 2808) For field crops	AgraQuest, Inc.	8	YES – 69592-13 (Aug 2, 2012); REI 4 hrs.
Bio-Tam (<i>Trichoderma asperellum</i> & <i>A. gamsii</i>) Potato in-furrow (<i>Fusarium</i> , <i>Rhizoc</i> , <i>Verticillium</i> , <i>Pythium</i>)	AgraQuest	18	YES – 80289-9-69592 (April 16, 2012) REI 1 hr.
BlightBan A506 (<i>Pseudomonas fluorescens</i> A506)	Nufarm	19	YES – 228-710 (May 18, 2012) REI 4 hrs.
Cease (<i>B. subtilis</i> QST 713); multiple vegetables (Green House) Foliar	BioWorks	24	YES – 69592-19-68539 (Aug 13, 2012) REI 4 hrs.
Contans® WG§ (<i>Coniothyrium minitans</i>)	Prophyta Biologischer	28	YES - 72444-1 (Ag) (Apr. 3, 2008) REI 4 hrs.
Double Nickel 55 (<i>Bacillus amyloliquefaciens</i> strain D747, biofungicide; also Double Nickel LC	Certis USA	33	YES for 55 – 70051-108 (Ag) (Oct 26, 2012) REI 4 hrs; YES for LC – (12/12/2012); REI 4 hrs
Kodiak® Concentrate Biological Fungicide (<i>B. subtilis</i> GB03)§	Bayer CropScience LP	35	YES - 264-951 (Ag) (Seed treatment); 264-970 (Flowable)
Melocon WG Biological Nematicide <i>Paecilomyces lilacinus</i> Strain 251 (a filamentous fungus)	Prophyta/Certis	68	YES – 72444-2 (Ag) (Mar 20, 2012) REI 4 hrs.
Mycostop Biofungicide§ (<i>Streptomyces griseoviridis</i>)	Verdera Oy	75	YES - 64137-5; Veg and Orn. (Ag) (Dec 9, 2011) REI 4 hrs.
Mycostop Mix§ (<i>Streptomyces griseoviridis</i>)	Verdera Oy	75	YES - 64137-9 (Ag) (Nov 7, 2011) REI 4 hrs.
Optiva WP (<i>B. subtilis</i> QST 713)	AgraQuest	84	YES as Optiva – 69592-26 (Ag) (May 14, 2012) REI 4 hrs.
40) PlantShield HC Biological Fungicide§ (<i>Trichoderma harzianum</i>, var. <i>Rifai</i>, strain KRL-AG2)	BioWorks, Inc.	75	YES – 68539-4; (Ag & Nur.) June 26, 2012. REI 4 hrs.

<u>Prestop®</u> § (<i>Gliocladium catenulatum</i> strain N J1446)	Verdera Oy	95	YES - 64137-11; (Ag & Nur.) 10/31/2011 REI 0 hrs.
<u>Rhapsody</u> QST 713 strain of <i>B. subtilis</i>	Bayer	101	YES for Turf – 264-1155 (Ag) 5/2/2014; REI 4 hrs.
<u>RootShield Granules</u> §/ <u>RootShield WP</u> biological fungicide (<i>Trichoderma harzianum</i> , var. <i>Rifai</i> , strain <i>KRL-AG2</i>)	BioWorks, Inc.	102	YES – GR=68539-3 (Ag & Nur.) 7/10/13; WP= 68539-7 (Ag) 6/25/2012. REI 0 hrs for both.
<u>RootShield Plus</u> ⁺ Granules (<i>T. harzianum</i> strain T-22 + <i>T. virens</i> strain G-41) (not potato listed)	BioWorks, Inc.	102	Yes – 68539-10 (Ag) 6/7/2012. REI 0 hrs.
<u>RootShield Plus</u> ⁺ WP (<i>T. harzianum</i> strain T-22 + <i>T. virens</i> strain G-41)	BioWorks, Inc.	102	Yes – 68539-9 (Ag) 6/7/2012. REI 4 hrs.
<u>Serenade ASO</u> § (<i>B. subtilis</i> QST 713)	Bayer	107	YES – 264-1152 (Ag) 12/09/2013. REI 4 hrs.
<u>Serenade MAX</u> (<i>B. subtilis</i> QST 713)	Bayer	107	YES – 264-1151 (Ag) 12/09/2013. REI 4 hrs.
<u>Serenade Soil</u> (<i>B. subtilis</i> QST 713)	Bayer	107	Yes – 264-1152 (Ag) 12/09/2013. REI 4 hrs.
<u>SoilGard</u> § (<i>Gliocladium virens</i> strain GL-21) Microbial fungicide	Certis USA	109	Yes – 70051-3 (Ag) 12/13/2011. REI 0 hrs.
54) <u>Sonata</u>®§ (<i>B. pumilus</i> strain QST 2808)	AgraQuest, Inc.	86	YES – 69592-13 (Ag)
<u>T 22 HC Biological fungicide</u> (<i>Trichoderma harzianum</i>)	BioWorks, Inc.	115	YES – 68539-4 Ag and Nursery. 6/12/2012. REI 4 hrs.
<u>Taegro</u> (<i>Bacillus subtilis</i> var. <i>amyloliquefaciens</i> strain FzB24) (for disease suppression only, <i>Rhizoc.</i> , <i>Fusarium</i>)	Novozymes Biologicals, Ind.	116	Yes - 70127-5 (Ag). 11/8/2011. REI 24 hrs.
<u>Yield Shield Conc. Bio.</u> (<i>Bacillus pumilus</i> Strain GB34)	Bayer CropScience	73	YES - 264-985 (Ag)
ANTIBIOTICS	XXXX	XXXX	XXXX
<u>Agri-Mycin</u> ® 17 Agricultural	NuFarm Americas, Inc.	4	YES - 55146-96 (Ag) 6/19/2012.

Streptomycin§ (Fire blight fruit trees)			REI 12 hrs.
AgriPhage™§	OmniLytics, Inc	2	NO
Mycoshield® Fungicide§ (oxytetracycline calcium complex) (Fire blight fruit trees)	NuFarm Americas, Inc.	75	YES for fruit trees only - 55146-97 (Ag). 5/13/2013. REI 12hrs.
OILS – Botanical and Mineral	XXXX	XXXX	XXXX
AZA-Direct™§ (azadirachtin) (antifeeding and insect growth regulator)	Gowan Co.	9	YES - 71908-1-10163 (Ag). 5/7/2009. REI 4 hrs.
M-Pede®§ (potassium salts of fatty acids)	Dow Agrosciences, LLC	74	YES - 62719-515 (Ag). 12/12/2008. REI 12 hrs.
M-Pede Insecticide Miticide Fungicide (PM)	Gowan	74	Yes – 10163-324 (Ag) 3/3/2014; REI 12 hrs.
Neem Oil RTU§ (neem oil, ready to use)	Monterey Certis USA	79	Yes – 70051-13-54705 (Residential) 10/28/2010. REI none listed
NeemGard®§ (neem oil)	Certis USA	79	NO
Neemix® 4.5§ (azadirachtin) (Insect growth regulator)	Certis USA	79	YES - 70051-9 (Ag). 5/30/2014. REI 4hrs.
Organic JMS Stylet Oil (mineral oil)	JMS Flower Farm	86	YES – 65564-1 (Ag), 4/27/2006. REI 4 hrs.
Saf T Side Petroleum oil (only for insects, no vegetable diseases listed)	Brandt Consolidated, Inc.	105	Yes – 48813-1-54705 (Home garden)
SPORAN® EC§ (Rosemary, clove and thyme oils)	EcoSMART Technologies, Inc.	82	NO
Sporatec ®§ Rosemary, clove and thyme oils	Brandt Consolidated, Inc.	110	NO
SuffOil-X (petroleum oil for insects, no vegetable diseases listed)	BioWorks	111	YES – 48813-1-68539 (Ag and Nursery). 11/19/2012. REI 4 hrs.
SucraShield (SUCROSE OCTANOATE)	Natural Forces	59	YES – 70950-2-84710 (Oct 26, 2010)
Triact® 70 EC§ (clarified hydrophobic neem oil) (mainly for insects)	Certis USA (OHP)	119	YES – 70051-2-59807 (GH, Lns; Nur, Veg). 8/7/2012. REI 4 hrs.
Trilogy®§ (clarified hydrophobic neem oil) (mainly insects, but diseases listed)	Certis USA	120	YES - 70051-2 (Ag). 4/10/2014. REI 4 hrs.

Potassium Bicarbonate	XXXX	XXXX	XXXX
Kaligreen® Potassium Bicarbonate Soluble Powder; control of PMildew §	Otsuka Chemical Co., LTD	61	YES - 11581-2 (Ag). 4/08/2014; REI 4 hrs.
Mildew Cure®§ (potassium bicarbonate)	JH Biotech, Inc.	70	NO
MilStop™ Broad Spectrum Foliar Fungicide§ (potassium bicarbonate)	BioWorks, Inc.	71	YES - 70870-1-68539 (Ag). 1/24/2012. REI 1 hr.
Potassium Silicate	XXXX	XXXX	XXXX
Sil-MATRIX - Fungicide/Miticide/Insecticide Potassium silicate (PM, suppression of insects and mites)	PQ Corporation	108	Yes - 82100-1 (Ag). 6/17/2010. REI 4 hrs.
PLANT EXTRACTS- stimulants	XXXX	XXXX	XXXX
Bluestim™ glycinebetaine (derived from sugar beet molasses)	Verdera Oy	20	No
Heads Up® Plant Protectant§ (<i>Chenopodium quinoa</i>)	HeadsUp Plant Protectants, Inc.	55	No
Regalia Biofungicide Concentrate (extract of <i>Reynoutria sachalinensis</i>)	Marrone Bio Innovations	100	YES - 84059-3 (Ag) (4/09/2014). REI 4 hrs.
Regalia Maxx Biofungicide (extract of <i>Reynoutria sachalinensis</i>)	Marrone Bio Innovations	100	No
Right On Plant Protectant Seed Trt.	HeadsUp Plant Protectants, Inc.	101	No
Stimplex Crop biostimulant	Acadian Agritech	111	YES – 67016-1 (Ag) REI 4 hrs.
SULFUR	XXXX	XXXX	XXXX
Kumulus DF§ (sulfur)	BASF Sparks LLC; Arysta (49)	64	YES - 51036-352-66330 (Ag) 6/1/2011. REI 24 hrs.
Micro Sulf®§ (sulfur)	NuFarm Americas, Inc.	70	YES - 55146-75 (Ag) 4/18/2012. REI 24 hrs.
Microthiol Disperss§ (sulfur)	United Phosphorus Inc.	70	YES - 70506-187 (Ag).

			4/15/2011. REI 24 hrs.
Sulfur DF	Wilbur Ellis	111	NO
Adjuvants	XXXX	XXXX	XXXX
35) Nu Film P@§ (terpene polymers)	Miller Chemical & Fertilizer	65	NO
Surround® WP Crop Protectant§ (kaolin clay) (mainly for insects, suppr. for PM)	Tessengerlo Kerley Inc.	114	YES - 61842-18 (Ag) 10/6/2008. REI 4 hrs.
Disinfectants - Oxidizing Agents, cleaning	XXXX	XXXX	XXXX
BioSide HS 15% (hydrogen peroxide 22% + peroxyacetic acid 15%) (sanitation)	Enviro Tech Chem. Serv.	17	YES – 63838-2 (Ag) 5/25/2011. REI 0 hrs.
GREENCLEAN BROAD SPECTRUM ALGAECIDE/BACTERICIDE LIQUID (HYDROGEN PEROXIDE) (sanitation)	BioSafe Systems	50	YES – 70299-2 (Ag); (6/14/2012). REI 1 hr.
OxiDate Ready to spray (hydrogen peroxide + peroxyacetic acid)	BioSafe Systems	89	YES - 70299-16 (Home Garden) (5.2.2011);
OxiDate Broad Spectrum (hydrogen peroxide); Oxidate 2.0 (foliar treatment)	BioSafe Systems	89	YES – 70299-2 (Ag) 8/2/2013 REI 0 hrs; for 2.0 70299-12 (Ag) (6/14/2012); REI 0
StorOX@§ (hydrogen peroxide)	BioSafe Systems	64	YES – 70299-2
TerraClean 5.0 (Hydrogen peroxide + peroxyacetic acid) (soil treatment)	BioSafe Systems	116	YES – 70299-13 (June 14, 2012) REI 0 Hrs.
TerraClean Broad Spectrum Bac./Fungicide (hydrogen peroxide)	BioSafe Systems	94	YES – 70299-5 (8-1-2008) REI 0 hrs. 8/1/2008

NOTE: the OMRI List changes often and the latest web version (<http://www.omri.org/omri-lists/download>) should be checked before purchasing a product. <http://vegetablemdonline.ppath.cornell.edu/NewsArticles/OMRI%20Product%20List%20Oct%202012.pdf>