



AgriPhage Chemical Compatibility List

INSECTICIDES	Compatible	Date Tested	Concentration tested	Notes
Agri-Mek SC (Abamectin)	Yes	12/10/2014	4.25 oz/100 gal	
Asana XL (Esfenvalerate)	Yes	3/6/2012	250 oz/100 gal	
Azakaranj	Yes	4/11/2012	0.67 pt/100 gal	
Beleaf 50SG (Flonicamid)	Yes	7/2/2014	2.6 lb/100 gal	
Belt SC	Yes	2/28/2019	10 oz/100 gal	
Biocover SS	Yes	6/11/2019	3 gal/100 gal	
Botanigard 22WP	Yes	7/7/2014	3 lb/100 gal	
Botanigard ES	Yes	7/7/2014	3 qt/100 gal	
Coragen (Rynaxypyr)	Yes	7/30/2009	7.5 oz/100 gal	
Crymax (<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i>)	Yes		See Javelin WG	
Dibrom 8 Emulsive	No	7/18/2019	4 pints/100 gal	
Dipel DF (<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i>)	Yes		See Javelin WG	
Enzo-Myte (Bio Catalytic Soap)	Yes	2/21/2018	4 qts/ 100 gal	
Exirel	Yes	2/28/2019	1.21 L/100 gal	
Fanfare ES (Bifenthrin)	Yes	10/31/2013	10.8 oz/100 gal	
Fulfill (Pymetrozine)	Yes	11/30/2010	27.5 oz/100 gal	
Intrepid 2F (methoxyfenozide)	Yes	12/10/2015	32 oz/100 gal	
Javelin WG (<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i>)	Yes	11/3/2010	7.5 lb/100 gal	
Karate (Lambda-cyhalothrin)	Yes	11/30/2010	1.28 oz/100 gal	
Lannate (Spirotetramat)	Yes	3/6/2013	2 lb/100 gal	
Leverage 360 Insecticide	Yes	2/27/2019	12.8 oz/100 gal	
Microfine Sulfur	Yes	3/3/2014	10 lb/100 gal	
Movento (Spirotetramat)	Yes	3/29/2012	4 oz/100 gal	
Mustang (Zeta-Cypermethrin)	Yes	12/10/2015	8.6 oz/100 gal	
Oberon 2 SC (Spiromesifen)	Yes	4/12/2012	3 qt/1200 gal	
Permethrin	Yes	9/19/2012	8 oz/100 gal	
pH-oenix (Corn oil, malic acid, plant extracts)	Yes	8/30/2013	3 gal/1200 gal	
Proclaim	Yes	2/27/2019	9.6 oz/100 gal	
Radiant SC (Spinetoram)	Yes	3/21/2012	10 oz/100 gal	
Requiem EC (Extract of chenopodium ambrosioides)	Yes	3/6/2012	4 qt/100 gal	
Sniper (Bifenthrin)	Yes	7/30/2009	4.25 oz/100 gal	
Thionex 3EC (Endosulfan)	Yes	3/19/2012	1.33 qt/100 gal	
Tombstone (Cyfluthrin)	Yes	12/10/2015	6.4 oz/100 gal	
Vetica	Yes	3/6/2013	2.125 oz/100 gal	
Vydate (Oxamyl)	Yes	11/5/2013	2 pt/100 gal	
FUNGICIDE / BACTERICIDE	Compatible	Date Tested	Concentration tested	Notes
Badge SC (Copper oxychloride and copper hydroxide)	No	3/16/2009	1.5 pt/100 gal	
Cueva (Copper Octanoate)	No	5/2/2019	0.25 gal/100 gal	
Mankocide (Copper hydroxide, mancozeb)	No	7/11/2007	10 lb/100 gal	
OxiDate (27% Hydrogen peroxide)	No	3/11/2013	1 qt/500 gal	
FERTILIZERS	Compatible	Date Tested	Concentration tested	Notes
20-20-20 Fertilizer	Yes	12/10/2015	37.5 lb/1200 gal	
Awaken (16-0-2 fertilizer)	**	7/13/2015	20 qt/ 100 gal	** Contact Sales Representative
Black Label (6-22-0 fertilizer)	Yes	4/15/2014	72 gal/1200 gal	
Cell Force Max (6-0-0 fertilizer with calcium & boron)	Yes	3/3/2014	6 gal/1200 gal	
Gator Premier 350	No	3/1/2016	2 qt / 50 gal	
K Nitrate (Potassium nitrate)	Yes	4/11/2012	5 gal/1200 gal	
KeyPlex 350 DP (Magnesium sulfate, iron glucoheptonate, & others)	No	9/14/2011	3 gal/1200 gal	
KeyPlex 1200 DP (Magnesium sulfate, iron glucoheptonate, & others)	No	5/21/2012	5 gal/1200 gal	
KeyPlex DP Blossom Formula (Chelated calcium, chelated magnesium, boron)	Yes	3/13/2014	45 gal/1200 gal	
Liquid Humus (0-0-4 fertilizer)	Yes*	4/21/2014	8 gal/100 gal	*The pH of Liquid Humus is >12. AgriPhage is compatible if the pH of the tank mix is adjusted to between 6 and 10.
Megafol (3-0-8 fertilizer)	Yes	2/9/2011	2.5 pt/100 gal	
Microtech CP 4-0-0	No	6/4/2019	3 qts/100 gal	
Monarch (2-20-15 fertilizer)	No	4/15/2014	3 gal/100 gal	
Multi-K GG	Yes	7/18/2019	10 lbs/100 gal	
Nutri-Phite Magnum (2-40-16 fertilizer)	No	3/28/2012	5 gal/1200 gal	
Prudent Presto (6-18-5 fertilizer)	No	8/30/2011	10 gal/100 gal	
Saver Liquid Fertilizer	Yes*	3/25/2019	12 pt/100 gal	Contact time needs to be kept under 24 hours.
Sylvite calcium nitrate	Yes	4/11/2012	25 lb/1200 gal	
11-41-8 fertilizer	Yes	9/19/2012	24 lb/1200 gallons	



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SURFACE DISINFECTANTS	Compatible	Date Tested	Concentration tested	Notes
Chemprocide (Didecyl dimethylammonium chloride)	No		See KleenGrow	
Chlorine (sodium hypochlorite, bleach)	No*	5/4/2012	2 ppm	*Use sodium thiosulfate (or other thiosulfate) to neutralize chlorine
Sodium thiosulfate	Yes	4/24/2012	0.8 lb/100 gal	Use 4 Tbs sodium thiosulfate in 1200 gallons to neutralize 1 ppm chlorine
Isopropanol	No	2/19/2013	99%	
KleenGrow (Didecyl dimethylammonium chloride)	No	5/18/2009	1 oz/4 gal	
MicroBloc (Dimethyl ammonium chloride compounds)	No	11/30/2010	2 oz/5 gal	
FUNGICIDE	Compatible	Date Tested	Concentration tested	Notes
Amistar Top	Yes	6/11/2019	15.4 oz/100 gal	
Aprovia Top (Difenoconazole, Benzovindiflupyr)	Yes	4/19/2016	27 fl oz / 100 gal	
Bravo weather stick (Chlorothalonil)	Yes		See Chlorothalonil 720	
Cabrio EG (Pyraclostrobin)	No	11/30/2010	12 oz/100 gal	
Cease (Bacillus subtilis)	Yes	3/13/2018	2.5 oz/ gal	
Chlorothalonil 720 (Chlorothalonil)	Yes	3/6/2012	3.75 gal/100 gal	
Decree 50 EDG (Fenhexamid)	Yes	2/24/2014	3 lb/100 gal	
Dithane DF Rainshield (Mancozeb)	Yes		see Mancozeb	
Double Nickel 55 (<i>Bacillus amyloliquefaciens</i>)	Yes	6/25/2018	2 lb/100 gal	
Double Nickel LC (<i>Bacillus amyloliquefaciens</i>)	Yes	6/25/2018	4 qt/100 gal	
Endura (Boscalid)	Yes	3/6/2012	5 oz/100 gal	
Equus 720 SST (Chlorothalonil)	Yes		See Chlorothalonil 720	
Fontelis (Penthoxyrad)	Yes	4/25/2013	1.5 gal/1200 gal	
Influence LC (15% garlic powder)	No		3.8 gal/100 gal = 1.9 L/50 L	
Inspire Super (Difenoconazole, Cyprodinil)	Yes	4/25/2013	1.75 gal/1200 gal	
K-Phite 7LP (Mono and dipotassium phosphite)	Yes	6/29/2009	1 gal/100 gal	
Mancozeb	Yes	3/19/2013	6 lb/100 gal	
Manzate Pro Stick (Mancozeb)	Yes		see Mancozeb	
Microfine Sulfur	Yes	3/3/2014	10 lb/100 gal	
Milstop (Potassium bicarbonate)	No	7/11/2013	5 lb(2.3 kg)/50 gal	
Neptune's Harvest	Yes	9/24/2018	270 oz/100 gal	
Orondis Ultra	Yes	8/16/2018	16 oz/100 gal	
Presidio	Yes	8/16/2018	8 oz/100 gal	
Prestop	No	12/12/2017	200 g/ gal	
Priaxor (Fluxapyroxad, Pyroclostrobin)	Yes	4/25/2013	84 oz/1200 gal	
Quadris Opti (Azoxyastrobin, Chlorothalonil)	Yes	3/31/2015	3.2 pt/100 gal	
Quintec (Quinoxifen)	Yes	11/3/2010	5 oz/100 gal	
Revus Top (Mandipropamid, Difenoconazole)	Yes	4/19/2016	14 oz/100 gal	
Serenade Max (<i>Bacillus subtilis</i>)	Yes	11/30/2010	30 oz/100 gal	
Serenade Optimum (<i>Bacillus subtilis</i>)	Yes	3/31/2015	40 oz/100 gal	
Tanos (Famoxadone, Cymoxianil)	Yes	11/19/2014	20 oz/100 gal	
Timorex Gold	Yes	7/30/2014	1 gal/100 gal	
Zampro (Ametoctradin and dimethomorph)	Yes	3/6/2013	28 oz/100 gal	
Zonix (Rhannolipid biosurfactant)	Yes	5/28/2014	500 ppm (76 oz/100 gal)	
ANTIBIOTIC	Compatible	Date Tested	Concentration tested	Notes
Ag Streptomycin (Streptomycin sulfate)	Yes	3/16/2009	2.7 oz/100 gal = 100 g/500 L	
Firewall (Streptomycin sulfate)	Yes		See Ag Streptomycin	
Kasumin 2L (Kasugamycin hydrochloride)	Yes	4/29/2013	1.25 L/500 L	
SPREADER STICKER / ADJUVANTS	Compatible	Date Tested	Concentration tested	Notes
Agral (Nonylphenoxy polyethoxy ethanol)	Yes	7/2/2014	24 L/ 100 L	
Attach (Terpene, petrolatum, p-Dodecylphenol, oxyethylene)	Yes	12/12/2017	64 oz/100 gal	
BioLink Spreader-Sticker (Soapbark, alkylphenol ethoxylate, polysaccharide)	**	12/12/2017	4 oz/ 100 gal	** Contact Sales Representative
Break-Thru DA 675	Yes	12/12/2017	15 gal/ 100 gal	
Cohere (Alkanolamide surfactants, alkylaryl polyethoxyethanol sulfates, and 1,2-propanediol)	**	3/21/2018	2 gal/ 100 gal	** Contact Sales Representative
Dramm VK-II Fogging Solution (Diethylene glycol)	Yes	3/14/2013	5 gal/100 gal	
Hi-Yield (Alkyl and Alkylaryl polyoxyethylene glycol)	Yes	12/12/2017	33 oz/ 100 gal	
Nu Film P (Pinene (polterpenes) Polymers, a-(p-Dodecylphenyl)-Omega-hydroxy poly (oxyethylene))	Yes	12/12/2017	15 oz/ 100 gal	
OIL-YS	No	9/6/2018	32 oz/100 gal	
Orobost (Alcohol ethoxylate)	Yes	11/1/2010	100 oz/100 gal	
Plyac (Oxidized Polyethylene and Ethoxylated Phenoxy Alcohol)	Yes	03/25/2009		1 phage tested
Silwet L-77 (Polyalkyleneoxide Modified Heptamethyltrisiloxane)	Yes	12/12/2017	32 oz/100 gal	
Spray Tech Oil (Emulsifiable Vegetable Oils)	Yes	10/01/2006		1 phage tested



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PESTICIDE/MITICIDE/FUNGICIDE	Compatible	Date Tested	Concentration tested	Notes
Prev-Am (Sodium tetraborohydrate decahydrate)	Yes*	8/30/2013	5 gal/1200 gal	*Compatible with Xcv phages (tomato and pepper spot)
Sol Oil 97 (Mineral Oil)	Yes	3/21/2018	20 gal/ 100 gal	
Trilogy (Neem Oil)	Yes	3/13/2018	2 gal/ 100 gal	
SURFACTANTS	Compatible	Date Tested	Concentration tested	Notes
80/20 Select	Yes	12/12/2017	16 oz/ 100 gal	
Activator 90 (Alkyl polyoxyethylene ether and free fatty acids)	Yes	7/30/2009	2 qt/100 gal	
Agrogold	Yes	12/12/2017	2 qt/ 100 gal	
Biolink Surfactant & Penetrant	No	12/12/2017	24 qt/ 100 gal	
Break-Thru S 200	Yes	12/12/2017	6 oz/ 100 gal	
Break-Thru S 233	Yes	12/12/2017	6 oz/ 100 gal	
Citru-Film (Proprietary blend of Light to mid-range paraffin base petroleum oil, Polyol fatty acid esters, Polyethoxylated derivatives thereof)	Yes	3/29/2018	6.25 gal/ 100 gal	
HiWett (Organosilicone)	Yes	12/12/2017	19 oz/ 100 gal	
Regulaid (2-butoxyethanol, poloxalene, monopropylene glycol)	Yes	12/12/2017	3 pt/ 100 gal	
Surfactant 80-20 (Alkyl Polyoxyethylene Glycol & Other Ethoxylated Derivatives)	Yes	11/19/2014	4 pt/100 gal	
DEFOAMERS	Compatible	Date Tested	Concentration tested	Notes
Chem Nut Defoamer (Dimethylpolysiloxane Emulsion)	Yes	11/19/2014	16 oz/100 gal	
MISCELLANEOUS	Compatible	Date Tested	Concentration tested	Notes
Biocover SS	Yes	6/11/2019	3 gal/100 gal	
Choice Trio (Water conditioner)	**	2/21/2018	2 qt/ 100 gal	** Contact Sales Representative
Epsom salt (magnesium sulfate heptahydrate)	Yes*	3/19/2013	5 lb/gal = 600 g/L	*Not compatible at 10 lb/gal (1.2 kg/L)
Iron (Fe ²⁺)	No	7/20/2010	378 mg/100 gal	
Kaolin Clay	No	6/4/2019	12.5 lb/100 gal	
Microflora SA	Yes	9/20/2018	56 oz/100 gal	
Non-fat dry milk	Yes	7/11/2007	3 lb/100 gal	
BACTERICIDES	Compatible	Date Tested	Concentration tested	Notes
Bullit (Sorbitan Monooleate)	No	3/17/2011	48 oz/100 gal	
Copper sulfate	No	8/20/2012	2 lb/100 gal	
Hydrogen peroxide, 3% (active ingredient in Oxidate)	No	3/11/2013	9 qt/500 gal	Equivalent to 1 qt/500 gal Oxidate
Liqui-cop (copper ammonium complex)	No	8/7/2012	1 pt/100 gal	
Mycoshield	Yes	2/12/2019	1 lb/100 gal	
HERBICIDE	Compatible	Date Tested	Concentration tested	Notes
Maximizer (Paraffin based petroleum oil and alkylphenol ethoxylate)	Yes	6/29/2009	8 pt/100 gal	
Metri DF 75% (Metribuzin)	Yes	11/30/2010	96 oz/100 gal	
ACIDIFYING AGENTS	Compatible	Date Tested	Concentration tested	Notes
Citric Acid	Yes*	9/4/2009		*Must be added and fully mixed before AgriPhage is added. pH must be >5.5 before AgriPhage is added.
Loveland LI 700 (Phosphatidylcholine, methylacetic acid and alkyl polyoxyethylene ether)	Yes	5/22/2018	8 pt/100 gal	
Spray-Aide (Alkylaryl Polyoxyethylene Glycol phosphate ester, 1,2-Propanediol, and phosphoric acid)	No	09/03/2009	3.8 oz/100 gal	
MICROBIAL INOCULANTS	Compatible	Date Tested	Concentration tested	Notes
Agrogold (microorganisms)	Yes	12/12/2017	2 qt/ 100 gal	
Agrogold SD (microorganisms)	Yes	12/12/2017	2 qt/ 100 gal	
EM-5 (Microorganisms, molasses, vinegar, ethanol)	No	10/8/2009	1 gal/100 gal	
GROWTH REGULATOR	Compatible	Date Tested	Concentration tested	Notes
ProGibb Plus (Gibberellic acid)	Yes	11/3/2010	12 g/100 gal	
PLANT ACTIVATORS	Compatible	Date Tested	Concentration tested	Notes
Actigard (Acibenzolar-S-methyl)	Yes	11/19/2014	1.5 oz/100 gal	
Regalia (<i>Reynoutria sachalinensis</i> extract)	Yes	5/20/2010	1 gal/100 gal	
LifeGard WG(<i>Bacillus mycoides</i>)	Yes	3/13/2018	4.5 oz/100 gal	