

Potential Disinfectants to Use Against SVCV and TiLV

This table is meant to assist persons in finding U.S. Environmental Protection Agency (EPA)-registered disinfectants that may be used against spring viremia of carp virus (SVCV) and tilapia lake virus (TiLV). The National Pesticide Information Retrieval System (NPIRS®)¹ indicates there are no disinfectants registered under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3 (see EPA's description of FIFRA section 3 registrations at https://www3.epa.gov/pesticides/regulating/section18_training/module-01/Section%203%20Registration.pdf) for use against SVCV or TiLV. Therefore, the United States Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS) recommends applicators find products that are permitted for use against SVCV or TiLV under FIFRA section 2(ee)(2)² (see EPA's description of FIFRA section 2(ee) recommendations at [Section 2ee.pdf \(epa.gov\)](#)). Applicators may legally apply registered disinfectant products against any pest provided that the applicable use sites (e.g., aquaculture equipment) are listed on the product label and that all applicable label use directions and safety precautions are followed.

USDA APHIS expects the below list of products obtained from NPIRS® on June 14, 2021 to be efficacious against SVCV and TiLV. The list may not be an all-inclusive list of appropriate EPA-registered disinfectants. The inclusion of any product on this table does not imply endorsement of the product by USDA APHIS.

EPA-registered labels can be found on EPA's Pesticide Product Label System (PPLS)³ at <https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:1>. EPA-registered labels are often identical to the labels appearing on the container; however, states may approve alternate language that differs from EPA's label. Please use the below table as a first step to identify a potential EPA-registered disinfectant to use against SVCV and/or TiLV, then locate the appropriate container label within the appropriate state at the following website <http://npirspublic.ceris.purdue.edu/state/> to verify all appropriate use sites are on the container label. Additionally, check with the appropriate state department of agriculture (or other appropriate state agency that regulates pesticides) to determine if the agency needs to be alerted to FIFRA 2(ee) uses.

For questions or concerns regarding this document, please send an email message to vs.sp.disinfectants@usda.gov.

¹ The National Pesticide Information Retrieval System (NPIRS®) is a collection of pesticide-related databases, applications, and websites under the administration of the Center for Environmental and Regulatory Information Systems (CERIS) at Purdue University, West Lafayette, Indiana. The NPIRS® obtains product information monthly from the EPA Pesticide Product Information System (PPIS) website. This PPIS information, including registered use sites and pests listed on the EPA stamped approved label, is disseminated through the NPIRS® member and public websites and is provided for informational purposes only. Information derived from the NPIRS® does not constitute a label replacement or a recommendation. Before applying any pesticide, applicators must determine if the product under consideration is correct for the intended use site. Always check the container/package label to determine if the intended use site is included on the label. Read and follow label instructions before using any pesticide product. More information on the NPIRS® can be found at <http://ppis.ceris.purdue.edu/>. Errors in the PPIS data can be reported at this website using the Data Quality menu option.

² FIFRA section 2(ee)(2): "TO USE ANY REGISTERED PESTICIDE IN A MANNER INCONSISTENT WITH ITS LABELING.— The term 'to use any registered pesticide in a manner inconsistent with its labeling' means to use any registered pesticide in a manner not permitted by the labeling, except that the term shall not include ... (2) applying a pesticide against any target pest not specified on the labeling if the application is to the crop, animal, or site specified on the labeling, unless the Administrator has required that the labeling specifically state that the pesticide may be used only for the pests specified on the labeling after the Administrator has determined that the use of the pesticide against other pests would cause an unreasonable adverse effect on the environment,..."

³ To access the most recently approved product labels, see EPA's Pesticide Product Label System (PPLS) site at <http://iaspub.epa.gov/apex/pesticides/f?p=PPLS:1>. The pesticide product name, company name, or the EPA registration number can be used to access the product label in PPLS. If you enter the company name, a list of the company's products will appear. Select the product of interest. If you enter the product name or EPA registration number, a list of EPA-approved labels will appear in chronological order, with the most recent label appearing first. Click on the most recent date to obtain the most recent label.

EPA REG. NO.	PRODUCT NAME	MANUFACTURER	ACTIVE INGREDIENT(S)	USE SITES
4959-50	Premium Peroxide III	West Agro, Inc.	Hydrogen peroxide Peroxyacetic acid	Agricultural buildings and equipment, fish handling equipment, industrial premises, warehouses, fish processing equipment and plant premises, conveyor belts
10324-94	Maquat 20-M	Mason Chemical Company	Alkyl dimethyl benzyl ammonium chloride Alkyl dimethyl ethyl benzyl ammonium chloride	Farm premises, agricultural equipment, shoe baths, fish handling equipment, boat premises, aircraft, transportation vehicles, commercial and industrial premises, commercial and industrial equipment, human face gear and footwear
10324-115	Maquat 750-M	Mason Chemical Company	Alkyl dimethyl benzyl ammonium chloride Didecyl dimethyl ammonium chloride Octyl decyl dimethyl ammonium chloride Dioctyl dimethyl ammonium chloride	Farm premises, agricultural equipment, shoe baths, fish handling equipment, boat premises, barges, aircraft, fish processing equipment and plants, laboratory premises, commercial and industrial premises, commercial and industrial equipment, warehouses, human headgear
10324-167	Maquat 32 PD	Mason Chemical Company	Alkyl dimethyl benzyl ammonium chloride Alkyl dimethyl ethyl benzyl ammonium chloride	Farm buildings, fish handling equipment, fish hatcheries, fish processing plant premises and equipment, commercial and industrial premises, commercial equipment, human face gear and headgear, aircraft
12120-4	SSS SynerSys Sporicidal Disinfectant Cleaner	Standardized Sanitization Systems, Inc.	Hydrogen peroxide Peroxyacetic acid	Agricultural equipment, fish handling equipment, fish processing equipment, fish processing plant premises, laboratory equipment and premises, commercial and industrial premises
62432-1	Virkon S* / Virkon Aquatic	Antec International, Ltd.	Sodium chloride Potassium peroxymonosulfate	Agricultural equipment and premises, farm premises, airports, aircraft, transportation facilities and vehicles, boat premises, ships, railroad boxcars, commercial and industrial premises, commercial and industrial equipment, human footwear
66171-102	Iodis 1.75	Preserve International	Iodine	Farm buildings, farm premises, shoe baths, fish hatcheries
68660-4	Proxitane EQ Liquid Sanitizer*	Solvay Chemicals, Inc.	Hydrogen peroxide Peroxyacetic acid	Agricultural equipment, shoe baths, fish ponds, fish processing equipment and plant premises,

70299-19	Sanidate 5.0	Biosafe Systems, LLC	Hydrogen peroxide Peroxyacetic acid	Farm equipment and premises, agricultural equipment, shoe baths, fish ponds (water treatment), ornamental ponds, transportation facilities, fish and seafood processing plants, laboratory premises, industrial premises, human footwear, human headgear, aircraft
70627-78	Suretouch	Diversey, Inc.	Hydrogen peroxide	Farm premises, fishery premises, fish hatcheries, airports, transportation facilities, laboratory premises, commercial and industrial premises, commercial and industrial equipment, aircraft
74559-10	Oxy-1 Wipes	Virox Technologies, Inc.	Hydrogen peroxide	Farm premises, agricultural buildings, fish hatcheries, airports, transportation facilities, boat premises, ships, trailers, aircraft, laboratory instruments and premises, commercial and industrial premises, public buildings, industrial equipment, storage areas and premises, storage rooms
91399-2	Biotab 7	Advanced Biocide Technologies, Inc.	Sodium chlorite	Agricultural equipment and premises, farm equipment and premises, shoe baths, fish handling equipment, fish hatcheries, ponds (water treatment), loading/unloading docks, transportation facilities, shipping containers, ship holds, railroad boxcars, aircraft, transportation vehicles, laboratory premises, commercial and industrial premises, commercial and industrial equipment, storage areas
Bleach products				
1672-65	Austin A-1 Ultra Disinfecting Bleach	James Austin Company	Sodium hypochlorite	Fish ponds (water treatment), fish pond equipment, fish hatchery ponds (water treatment), commercial and industrial premises, commercial and industrial equipment
1672-67	Austin's A-1 Concentrated Bleach 8.25%	James Austin Company	Sodium hypochlorite	Fish pond equipment, fish hatchery ponds (water treatments), commercial and institutional premises, commercial and institutional equipment, aircraft
5813-100	PUMA	The Clorox Co.	Sodium hypochlorite	Agricultural equipment, farm equipment, fish pond

				equipment, fish hatchery ponds, fish ponds (water treatment), laboratory equipment and premises, commercial premises, commercial and industrial buildings, commercial equipment, aircraft
5813-102	CGB1	The Clorox Co.	Sodium hypochlorite	Farm equipment, fish hatchery ponds (water treatment), fish ponds (water treatment)
5813-103	CGB3	The Clorox Co.	Sodium hypochlorite	Fish pond (water treatment), fish hatchery ponds (water treatment), farm equipment, fish pond equipment, commercial premises, aircraft
5813-104	CGB4	The Clorox Co.	Sodium hypochlorite	Farm equipment, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), commercial premises, aircraft
5813-111	CLB	The Clorox Co.	Sodium hypochlorite	Farm equipment, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), commercial premises and equipment, aircraft
5813-114	CLB I	The Clorox Co.	Sodium hypochlorite	Farm equipment, agricultural premises, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), laboratory premises, commercial premises, commercial/industrial buildings, aircraft
9009-15	So-White Brand Bleach and Disinfectant	Online Packaging, Inc.	Sodium hypochlorite	Farm premises, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment)
9009-17	Online 825	Online Packaging, Inc.	Sodium hypochlorite	Farm equipment, fish pond equipment, fish pond (water treatment), laboratory premises, aircraft
9009-18	So White 6%	Online Packaging, Inc.	Sodium hypochlorite	Farm premises, fish pond equipment
9616-13	Vertex Germicidal Ultra Bleach	Hawkins, Inc.	Sodium hypochlorite	Farm premises, fish hatchery ponds (water treatment), fish ponds (water treatment), boat bottoms, commercial premises
9616-15	Vertex Germicidal Concentrated Bleach 8.25%	Hawkins, Inc.	Sodium hypochlorite	Agricultural premises and equipment, farm equipment, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), boat bottoms, laboratory premises and equipment, commercial and

				industrial premises, commercial equipment
9616-16	Vertex CSS-7.5	Hawkins, Inc.	Sodium hypochlorite	Farm premises, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), boat bottoms, commercial premises
10897-108	HASA Bleach 6%	HASA, Inc.	Sodium hypochlorite	Farm premises and equipment, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), boat bottoms
58232-2	Sodium Hypochlorite 8.25%	HASA, Inc.	Sodium hypochlorite	Farm premises, fish ponds (water treatment), fish pond equipment, boat bottoms
67619-26	Boris	Clorox Professional Products Company	Sodium hypochlorite	Empty storage areas, farm equipment, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), transportation facilities, laboratory equipment and premises, commercial equipment and premises
67619-27	Buster	Clorox Professional Products Company	Sodium hypochlorite	Farm equipment, fish hatcheries, fish ponds (water treatment), commercial premises, aircraft
67619-28	Milo	Clorox Professional Products Company	Sodium hypochlorite	Farm equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), laboratory premises, commercial premises, aircraft
67619-32	PPD PUMA	Clorox Professional Products Company	Sodium hypochlorite	Quarantine use, farm equipment, fish pond equipment, fish hatcheries, fish pond (water treatment), transportation facilities, aircraft, laboratory equipment and premises, commercial and industrial premises, commercial and industrial equipment, storage areas, conveyor belts, human clothing
70271-13	Pure Bright Germicidal Ultra Bleach	KIK International, LLC	Sodium hypochlorite	Farm equipment and premises, fish pond equipment, fish hatcheries, fish hatchery ponds (water treatment), fish ponds (water treatment), ornamental fish ponds, boat bottoms, commercial premises
70271-23	Wampatuck C	KIK International, LLC	Sodium hypochlorite	Farm premises, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), boat bottoms
70271-24	Tecumseh B	KIK International, LLC	Sodium hypochlorite	Farm premises, fish pond equipment, fish hatchery ponds

				(water treatment), fish ponds (water treatment), boat bottoms
70271-26	Massasoit A	KIK International, LLC	Sodium hypochlorite	Farm buildings, fish pond equipment, fish hatchery ponds, fish ponds (water treatment), boat bottoms
70271-27	Crockett	KIK International, LLC	Sodium hypochlorite	Fish hatchery ponds, fish ponds (water treatment), boat bottoms
70271-28	Tubbs	KIK International, LLC	Sodium hypochlorite	Farm premises, fish pond equipment, fish hatchery ponds (water treatment), fish ponds (water treatment), boat bottoms, laboratories (animal research)

*This product did not appear in NPIRS search, but product label justifies use under FIFRA 2(ee) .