

DISINFECTANTS APPROVED FOR USE AGAINST AFRICAN SWINE FEVER VIRUS IN FARM SETTINGS

This table is intended to assist persons in finding U.S. Environmental Protection Agency (EPA)-registered disinfectants that may be used against African swine fever virus (ASFv) in/on farm premises and related structures and equipment. The information was obtained from the National Pesticide Information Retrieval System (NPIRS®)¹ on September 13, 2019. The list may not be an all-inclusive list of EPA-registered disinfectants. The inclusion of any product on this table does not imply endorsement of the product by United States Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS).

The biosecurity officer of the USDA APHIS or state partner incident management team responding to a foreign animal disease incident should use, as their first recourse, a commercially available EPA-registered disinfectant according to the State-registered container label. The use sites summarized on the table below should appear on the EPA-registered labels which can be found on EPA's Pesticide Product Label System (PPLS) at <https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:1>. EPA-registered labels are often identical to the State-registered container labels; however, State labels may differ from EPA's label. Use the table below as a first step to identify a potential EPA-registered product to use against ASFv; next, using website <http://npirspublic.ceris.purdue.edu/state/>, locate the appropriate State-registered container label to verify all necessary uses are also on the container label.

If a suitable commercially available EPA and State-registered disinfectant is not available, only then may a disinfectant approved for use against ASFv under section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) (i.e., a section 18 disinfectant) be used according to its section 18 label. There are currently two section 18 exemptions approved for use against ASFv; the label and EPA approval letter is available on the APHIS VS website (https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/emergency-management/ct_disinfectants).

Biosecurity officers should have with them a paper or electronic copy of the container label and, if applicable, section 18 label, and ensure that disinfectants are prepared and applied according to the appropriate label(s). Biosecurity officers using a section 18 disinfectant must record the amounts used and report this on a monthly basis to Nathan.G.Birnbaum@usda.gov and Samantha.Bates@usda.gov. If a product is being used as permitted by FIFRA section 2(ee)(2), the product must be used according to all product container label instructions, with the exception that the targeted pests (microbes) need not be specified on the container label.

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 on a monthly basis 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.

Reg. type	EPA Reg No	Product name	Manufacturer	Active ingredient(s)	Contact time	Registered use sites (according to NPIRS. Must confirm with label on container)	Website for EPA-approved label
FIFRA section 3	39967-137	Virkon S	Lanxess Corporation	Sodium chloride Potassium peroxymonosulfate	10 min	In/on animal feed equipment, livestock barns, livestock pens, livestock stalls, livestock stables, livestock equipment, hog farrowing pen premises, hog barns/houses/parlors/pens, animal quarters, animal feeding and watering equipment, animal transportation vehicles, animal equipment, agricultural premises, agricultural equipment, railroad boxcars, transportation vehicles, and human footwear	https://www3.epa.gov/pesticides/chem_search/ppls/039967-00137-20191011.pdf
FIFRA section 3	69470-37	Clearon Bleach Tablets	Clearon Corp	Sodium dichloro-s-triazinetriene	30 min	In/on animal living quarters, farm premises, and shoe baths	https://www3.epa.gov/pesticides/chem_search/ppls/069470-00037-20160908.pdf
FIFRA section 3	71847-2	Klor-Kleen	Medentech Ltd.	Sodium dichloro-s-triazinetriene	30 min	African swine fever virus in animal quarters and animal living quarters	https://www3.epa.gov/pesticides/chem_search/ppls/071847-00002-20130805.pdf
FIFRA section 3	71847-6	Klorsept	Medentech Ltd.	Sodium dichloro-s-triazinetriene	30 min	In/on animal quarters, animal feeding/watering, animal equipment, and animal transportation vehicles	https://www3.epa.gov/pesticides/chem_search/ppls/071847-00006-20181227.pdf
FIFRA section 3	71847-7	Klorkleen 2	Medentech, Ltd.	Sodium dichloro-s-triazinetriene	30 min	In/on livestock premises, animal feeding/watering equipment, animal equipment, animal transportation vehicles, farm premises, and shoe baths	https://www3.epa.gov/pesticides/chem_search/ppls/071847-00007-20180806.pdf

Reg. type	EPA Reg No	Product name	Manufacturer	Active ingredient(s)	Contact time	Registered use sites (according to NPIRS. Must confirm with label on container)	Website for EPA-approved label
FIFRA section 18	N/A	various	various	Sodium hypochlorite	15 min nonporous 30 min porous	Federal, State, or private indoor or outdoor use sites, such as agricultural, transportation, quarantine, and laboratory equipment and facilities; and, footwear/personal protective equipment.	https://www.aphis.usda.gov/animal_health/emergency_management/downloads/sodium-hypochlorite-label.pdf
FIFRA section 18	N/A	various	Archer Daniels Midland Co.	Citric acid	15 min nonporous 30 min porous	Federal, State, or private indoor or outdoor use sites, such as agricultural and nonagricultural equipment and facilities; laboratory equipment and facilities; and footwear/personal protective equipment.	https://www.aphis.usda.gov/animal_health/emergency_management/downloads/19citricacid-exemption-label.pdf