

# Flock Fighters USA

Presents



**Flock Fighters USA**

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## The Risks of Birds

As bird populations increase, so do the risks. Flocks of birds and persistent individuals produce negative consequences.

Bird droppings are a guarantee anytime birds choose a site to roost, feed or nest. This happens in nearly all human inhabited sites. Excrement does produce odor and unsightly stains, but there are hidden dangers and costs which go far beyond the ugliness!

Dried fecal material has been proven to become an aerosol and will trigger asthma and allergic reactions. Health risks are heightened, for those with respiratory ailments and those not diagnosed. Many believe the cause of "sick building" disease is bird dropping aerosols introduced and distributed by the HVAC air exchange system.

Birds are proven vectors for many infectious diseases, which infect and can kill household pets and humans. Likewise, over 100 parasites and mosquitoes rely on birds for vectoring and reproduction.

Being organic, bird droppings will become slick when made wet from rain or irrigation. This will make walking surface hazardous. Personal safety concerns are paramount. Many species produce droppings that are corrosive, damaging equipment and structures, producing repair costs in addition to the clean up and painting expense. Wooden structures will absorb the manure's nitrogen, producing a greater fire risk. In industry, production stoppage and increased costs is a threat, particularly when roosting birds focus on a site and droppings pollute raw materials or finished products.

## *bd-* Enzymatic Cleaner

### What is *bd-* Enzymatic Cleaner?



*bd-* is a proprietary blend of enzymes formulated to depreciate bird droppings without any environmental impact, limits on site and without producing toxic/hazard slurries.

*bd-* is a low-foaming, multi-enzyme product. It is pH neutral and poses no threat to surfaces or landscapes. It targets the proteins, fats and carbohydrates that make up fecal material. The enzymatic action breaks up the complex molecules in the excrement so that natural bacteria can digest it and reduce the accumulations into CO<sub>2</sub> and H<sub>2</sub>O.



When a site has old, caked-on, stubborn accumulations, often a stronger solution is needed. Flock Fighters USA also carries *bd-<sup>plus</sup>* which has added surfactants to penetrate stubborn deposits. *bd-<sup>plus</sup>* has a pH of 11.4. This physical attribute neutralizes the organic acids found in many manures.

Due to its penetrating nature, *bd-<sup>plus</sup>* SHOULD NOT be sprayed on walking surfaces as it may create a slipping risk!

Though not proven to be of harm, its mixture should be tested before applying to landscapes.



*bd-<sup>plus</sup>* can jump start the manure mitigation process in super-polluted sites.

### Why is an Enzymatic Cleaner Needed?



One of the central issues of nuisance birds is the depositing of manure. The fecal material introduces filth and potential pathogens to the location. The excrement is an organic product, but its composition is different by species and by seasonal diet. Birds with residential focus return to the same location daily. Seasonal roosts can have hundreds to many thousands of birds roosting nightly, depositing tons of manure every week! Clean-up is imperative, but washing techniques produce slurries which dump the waste on the ground or into water runoff. This can be more damaging than the original problem.

Many bacterial cleaners are on the market, but they all exhibit temperature sensitivities that severely reduces their efficacy and stability. All bacterial action products require the organisms to make their own enzymes to function.



Enzymes offer a broad temperature range for action. Even freezing will not diminish their potency. Enzymes work to break up large molecules into smaller compounds so that native existing bacteria can multiply and then depreciate the droppings.

*bd-* is not power-washing. The droppings do not disappear immediately. However, over time, the volume WILL disappear.

*bd-* is not an antibiotic nor a sanitizing agent. It is a manure deprecicator, and when used regularly, it will provide a clean, odorless site!

*bd-* and *bd-<sup>plus</sup>* are non-flammable and non-caustic. They are biodegradable and safe for employee-handling.

### Who is Flock Fighters USA?

Over the years, FLOCK FIGHTERS USA has expelled more birds than any other applicator. We also have supplied more product and equipment than any other supplier.

FLOCK FIGHTERS USA recognizes that each site is unique in need: by geography, by climate, by function, and by numbers and species of birds. We administer technologies and procedures to match the requirements of each site and species of birds, from removal to cleanup.

FLOCK FIGHTERS USA will implement a system specifically designed for the requirements of your site. If you would like to engineer your own system, we will provide you with the training and support necessary to help you expel your nuisance birds.

**FLOCK FIGHTERS USA continues to protect your site from nuisance birds through the development and utilization of new technologies such as *bd-* and *bd-<sup>plus</sup>*.**

### For more information:



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