



BioWorks[®]
DIVISION OF BIOFIRST GROUP



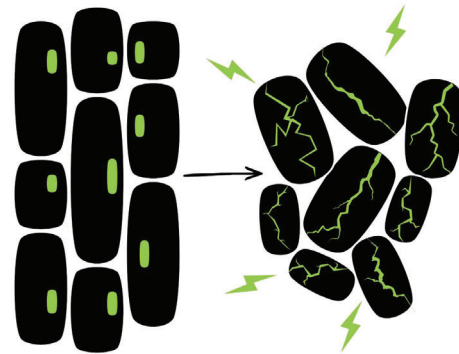
ABOVE AND BEYOND IS WHERE WE BEGIN



HOPLITE™

Hoplite is a fast-acting liverwort, moss, algae, and lichen control agent formulated from potassium salts of fatty acids. The active ingredient disrupts the lipid-protein matrix of cellular membranes in target organisms. This disruption causes membrane leakage, rapid desiccation, and cell death, with affected moss and algae yellowing and browning soon after application.

Hoplite is a non-staining and biodegradable formulation, with no metal salts and no alcohol.



FORMULATED WITH POTASSIUM SALTS OF FATTY ACIDS, IT ACTS AT THE CELLULAR LEVEL, DISRUPTING CELL MEMBRANES, CAUSING MOSS TO RAPIDLY YELLOW AND BROWN FOLLOWING APPLICATION.

ACTIVE INGREDIENTS

Potassium salts of fatty acids

FEATURES AND BENEFITS

- + Fast-acting control of liverwort, moss, algae, and lichens
- + Visible results (browning/yellowing) within 48 to 72 hours after treatment
- + Low environmental impact due to biodegradable chemistry

WHERE TO USE

Hoplite may be used in controlled environment agriculture, greenhouses, nurseries and specialty agriculture.



HOPLITE

PRODUCT INFORMATION

- + Available Sizes: 1 gallon
- + Registered for use in the USA
- + EPA Reg. No. 67702-43

REI & PHI

- + 24-hour REI, 0-day PHI

SHELF LIFE

- + Below 32° F (0° C): Not needed
- + Refrigerated 40° F (4° C): Not needed
- + 70-75° F (21-24° C): 3 years
- + Store in a cool, dry place

APPLICATION NOTES

- + Coverage driven product –thoroughly soak liverworts, mosses, algae, and lichens with solution.
- + If moss is dry and cold, pre wetting improves results.
- + Faster results occur when temps are mild and surfaces stay wet long enough for the fatty acid solution to work.
- + When temperatures drop below ~50° F (10° C), moss and algae become less metabolically active, slowing uptake and reducing visible speed of kill.
- + Warmer conditions (50–80° F) improve spread, penetration, and drying, which increases performance.

CULTIVATED AREAS RATE

- + Dilute concentrate by mixing 6.8 fl. oz in 1 gallon water per 1,000 square ft.
- + For thick moss (greater than 1 inch), use up to 50 gallons per 1,000 square ft.
- + Re-apply every 2 weeks or as required.

HARD SURFACES

- + Dilute concentrate by mixing 8-13 fl. oz in 1 gallon water. Apply 8-12 gallons per 1,000 square ft.
- + For thick moss (greater than 1 inch), use up to 25 gallons per 1,000 square ft.
- + Repeat treatment annually, or when new mold, mildew, moss, algae, lichens or liverworts are visible

GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just 48 hours. So you can get back to the business of successful growing.



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