

MADE IN THE USA



POND MICROBE-LIFT®

FRESH NEW LOOK! SAME TOP QUALITY PRODUCTS!



Microbe-Lift, Actively Re-Investing into the Pond & Water Garden Market to Support You and Your Aquatic Success!

www.MicrobeLift.com



Ecological Laboratories, Inc.
Solving Environmental Problems Naturally Since 1976

Ecological Laboratories, Inc. Actual Lab

Ecological Laboratories, Inc.
Providing Aquatic Solutions Since 1976



POND MICROBE-LIFT[®] Naturally Cycles Your Pond in 24 Hours!

POND MICROBE-LIFT[®] Cycles Fish Ponds Fast!



Understanding the Nitrogen Cycle & Your Pond

MICROBE-LIFT/PL[®], MICROBE-LIFT/Nite-Out II[®] and ML/KH Booster[®] is the only natural pond treatment program to cycle and balance your pond fast using a safe, microbial, non-chemical biological process which naturally: controls and eliminates waste organic matter, enhances water quality and reduces and controls toxic ammonia, nitrite and nitrate. Just follow these simple steps:

Step #1: Add **MICROBE-LIFT[®]/PL** to your pond to break down and degrade all waste organic matter, assuring improved environment for aquatic life and plants. **MICROBE-LIFT[®]/PL** seeds pond water, filters and establishes necessary bio-films in filters and on pond surfaces removing unwanted waste matter and clarifying pond water fast! **MICROBE-LIFT[®]/PL** will also reduce and eliminate any pond odor.

As the organic waste matter in your pond - i.e., dead plant life, excessive fish food and fish waste - is broken down by pond biology, the waste matter is converted to ammonia in a process called *Ammonification*. As the ammonia levels build in your pond, it can become toxic to fish and pond life and must be biologically removed *quickly*. *Nitrification* - the natural, biological ammonia removal process - is done by a group of microbes called *nitrifying bacteria*. Nitrifying bacteria are very slow to grow (requiring as much as 18 hours for a single cell division compared to every 45-60 minutes for waste degraders) and often require weeks to naturally develop the necessary population to convert all the ammonia produced in your pond.

Step #2: Use **MICROBE-LIFT[®]/Nite-Out II** to quickly establish the necessary nitrifying cultures and the ammonia removal process in your pond. Just add **MICROBE-LIFT[®]/Nite-Out II** and these cultures will grow and convert the toxic ammonia to nitrite, then to nitrate. **MICROBE-LIFT[®]/Nite-Out II** also contains *Nitrosomonas*, which convert ammonia to nitrite, and *Nitrobacter*, which convert nitrite to nitrate.

In addition, you should know the term *Carbonate Alkalinity* because the biological nitrification process that removes toxic ammonia from your pond in order for it to cycle properly requires a source of inorganic carbon. It takes 7.1 pounds of carbonate alkalinity for every pound of ammonia removed from your pond water. If carbonate alkalinity is *not* available in pond water, it's just like your car running out of gas! The nitrification process will stop, or may not even get started. To ensure toxic ammonia is removed by the necessary nitrifying bacteria, you must test your pond water for adequate carbonate alkalinity until there is a minimum of 100 ppm. Then add **MICROBE-LIFT[®]/Nite-Out II** to ensure rapid and complete ammonia removal by the nitrifying microbes.

Step #3: Use **MICROBE-LIFT[®]/KH Test Kit** to test the levels in your pond.

Step #4: Use **MICROBE-LIFT[®]/KH Booster** to supply the necessary carbonate alkalinity required by nitrifying microorganisms. If carbonate alkalinity is NOT present, the pond pH will be unstable and ammonia removal may cease.

MICROBE-LIFT[®]/PL and Denitrification

MICROBE-LIFT[®]/PL provides a real value to your pond's environment. In addition to being one of the BEST products you can use to speed the removal of unwanted, slow-to-degrade organic matter from your pond environment, the novel cultures in **MICROBE-LIFT[®]/PL** assist in the removal of nitrate from pond water via a process called *Denitrification*.

While some pond nitrate is removed by plants and partial water changes, the most effective way to control nitrate removal is by biological denitrification. In this process, nitrate removal takes place in the anaerobic areas, such as those found in pond filter bio-films. **MICROBE-LIFT[®]/PL** cultures are also *denitrifying microbes* that provide an important nitrate removal pathway assisting in the removal of nitrate via denitrification. **MICROBE-LIFT[®]/PL** includes high-rate denitrifiers that convert nitrate to nitrogen gas under an anaerobic condition that exists in filters and pond surface bio-films, reducing the nitrate level in your pond. It is noteworthy that algae can use nitrate as a nutrient.

MICROBE-LIFT[®]/PL & MICROBE-LIFT[®]/Nite-Out II are the answer to a *Natural, Clean, Clear NON-TOXIC Pond Environment!* You can rely on these two novel, biological products to enhance water quality by removing slow-to-degrade waste matter, and removing and controlling ammonia, nitrite and nitrate via their natural, non-chemical biological process.

MICROBE-LIFT®

**Unmatched Technology
Unmatched Reliability
Unmatched Performance**

FOUR EASY STEPS TO ACHIEVE:

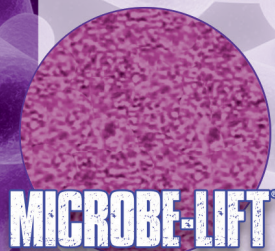
- Assured Water Quality (Clean, Clear and Non-Toxic)
- Ammonia Control (Stable Nitrification)
- Stable pH Control to Eliminate Pond Crash
- Reduction in Nitrate (A Green Water Causing Nutrient)

Let's settle the comparisons. See for yourself what the "stink" is all about. It's about **MICROBE-LIFT/PL**, the most requested beneficial bacteria by brand name, because of proven superior performance.

Now for the first time see microscopic video comparisons of MICROBE-LIFT/PL versus other brands. (We won't even call them competitors!) Simply go to www.MicrobeLift.com to see the MICROBE-LIFT difference!

It's not about the number of species, it's not about bacterial counts,

it's about technology and it's about time!



**SEE THE
DIFFERENCE
FOR YOURSELF
ON VIDEO**



Other brands - hardly any activity!



POND MICROBE-LIFT®

**2021 PONDS, FOUNTAINS
& BIRDBATH PRODUCTS**

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THE SCIENCE & SUCCESS BEHIND THE SMELL



When you open a bottle of MICROBE-LIFT/PL there is a 'rotten egg' smell. The odor is totally harmless, it dissipates within seconds, and it is there for a very good reason. The product is designed to naturally produce hydrogen sulfide and to serve important functions. The hydrogen sulfide acts like an anesthesia to put the bacteria to sleep. That's why our live bacteria have the longest shelf life on the market. When you open the bottle and pour MICROBE-LIFT/PL into your pond, the hydrogen sulfide flashes off and dilutes in the water allowing the bacteria to wake up and become active.

**SO, WHY BUY A PRODUCT THAT SMELLS LIKE ROTTEN EGGS?
BECAUSE IT'S SIMPLY THE BEST PRODUCT
ON THE MARKET!**



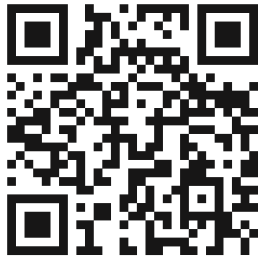
THE MICROBE-LIFT SATISFACTION GUARANTEE

ALL MICROBE-LIFT PRODUCTS ARE UNCONDITIONALLY GUARANTEED TO ASSURE YOUR CUSTOMER'S SATISFACTION.

If MICROBE-LIFT does not meet the standards as stated in our directions, we will replace the product **ABSOLUTELY FREE**, to assure success.

PL PONDS & LAGOONS (VEGETATIVE CULTURES)

Creates a cleaner environment for your pond, promoting faster fish growth. Specially formulated for decorative fish ponds, lagoons and smaller water features.



NOW IN 55 GALLON DRUMS

SIZE	ITEM #	TREATS	APPLICATION RATE			
			Pond Vol. (Gals.)	1st App. (Purge)	Next 4 Wks. (Once per Wk.)	Maintenance
16 OZ.	10PLP	80 GAL POND-11 MOS. 200 GAL POND - 8 MOS.	10-20	2 oz.	1 oz.	1 oz.
			21-50	4 oz.	1.5 oz.	1.5 oz.
32 OZ.	10PLQ	500 GAL POND - 11 MOS. 1,000 GAL POND - 8 MOS.	51-80	6 oz.	1.5 oz.	1.5 oz.
			81-250	8 oz.	2 oz.	2 oz.
GAL	10PLG4	5,000 POND - 11 MOS.	251-500	10 oz.	3 oz.	3 oz.
			501-1,000	14 oz.	5 oz.	5 oz.
GAL	10PLG6	5,000 POND - 11 MOS.	1,001-1,500	18 oz.	6 oz.	6 oz.
			1,501-2,500	24 oz.	8 oz.	8 oz.
5 GAL	10PLX5G	SEE LABEL	2,501-3,500	28 oz.	10 oz.	10 oz.
			3,501-5,000	32 oz.	12 oz.	12 oz.
55 GAL DRUM	10PLX55G	SEE LABEL	5,001-7,500	40 oz.	16 oz.	16 oz.
			7,501-10,000	48 oz.	20 oz.	20 oz.

PLEASE NOTE: THE 'TREATS' REFLECTS THE MAINTENANCE DOSAGE



Watch **LIVE VIDEO** of Bacterial Action at MicrobeLift.com

HC HIGH COUNT (VEGETATIVE CULTURES)

A Proprietary Formulation for larger rural lakes and ponds.

- Reduces ammonia nitrogen levels
- Reduces odors
- Breaks down organic sludge
- Contains photosynthetic bacteria

NOW IN 55 GALLON DRUMS

SIZE	ITEM #	TREATS	APPLICATION RATE			
			Pond Volume (Gals.)	1st App. (Purge)	Next 4 Weeks (Once per Week)	Maintenance 1 x per month
GALLON	10HCG4 10HCG6	10,000 GAL POND - 6 MOS.	10,001-50,000	64 oz.	24 oz.	24 oz.
			50,001-100,000	1 gal.	32 oz.	32 oz.
5 GALLON	10HCX5G	50,000 GAL. POND - 6 MOS.	100,001-300,000	2 gals.	0.5 gal.	0.5 gal.
			300,001-500,000	4 gals.	1 gal.	1 gal.
55 GALLON DRUM	10HCX55G	SEE LABEL	500,001-750,000	6 gals.	2 gals.	2 gals.
			750,001-1,000,000	8 gals.	3 gals.	2.5 gals.

PLEASE NOTE: THE 'TREATS' REFLECTS THE MAINTENANCE DOSAGE



POND BACTERIAL BALANCER

Ecological Laboratories offers the highest quality bacterial count and the highest treatment per oz. of any commercial spore based bacterial product available today. The following strains are contained in this formulation: Bacillus subtilis, Bacillus mojavensis, Bacillus megaterium, Bacillus licheniformis, Bacillus pumilus and Bacillus amyloliquefaciens.

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	PBB16	15,000 GALS.	9 Billion CFU's per .oz 1 oz. Treats 938 Gallons
32 OZ.	PBB32	30,000 GALS.	
GALLON	PBBG1	120,000 GALS.	

ALGAWAY 5.4

Control string algae! No more green water with MICROBE-LIFT/ AlgAway 5.4 Algaecide! It stops algae growth in ponds and can be applied to areas that contain fish and plants! Will not harm fish or live ornamental plants.



- Eliminates many types of algae in the pond
- For use with fish and live plants
- Liquid formulation
- E.P.A. Registered

SAVE WITH NEW 2.5 GALLON SIZE

SIZE	ITEM #	TREATS	APPLICATION RATE	
8 OZ.	ALGA08	2,880 GALS.	Water Volume	Amount
16 OZ.	ALGA16	5,760 GALS.	50 gallons	30 drops
32 OZ.	ALGA32	11,520 GALS.	120 gallons	2 tsp.
GALLON	ALGAGAL	46,080 GALS.	360 gallons	2 Tbsp.
2.5 GAL TOTE	ALGA2.5	115,200 GALS.	1080 gallons	6 Tbsp.



— E.P.A. REGISTERED —



— E.P.A. REGISTERED —

ALGAWAY 60

- Chemical algae eliminator formulated for decorative, irrigation and retention ponds, water hazards and fountains
- Eliminates most planktonic and filamentous algae quickly and efficiently so there is no plugging of irrigation lines and pumps
- Safe for irrigation, turf, and shrubs
- E.P.A. Registered

SIZE	ITEM #	TREATS	APPLICATION RATE
32 OZ.	AAG60Q	SEE LABEL	It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Algaway 60 is used to control the growth of algae in decorative fountains and ponds that do not contain fish. For maximum effectiveness decorative fountains and ponds containing heavy algae growth should be cleared prior to using Algaway 60. Decorative fountains and ponds having just visible algae growth require an initial dose of 1-2 fluid ounces of Algaway 60 per 1,000 gallons of water. Subsequent additions of 0.2 to 0.4 fluid ounces of Algaway 60 should be made every 5-7 days after initial treatment for maintenance. Algaway 60 is effective at both acid and alkaline pH. Note: Cannot be used in ponds with fish and aquatic plants
GALLON	AAG60XG4		
5 GALLON	AAG60X5G		

PLEASE NOTE: Algaway 60 is not available for sale, use or distribution in New York state and California.

OPC OXY POND CLEANER

Uses the power of oxygen to safely yet immediately break down accumulated debris on rocks, streams and waterfalls. Helps prevent odors. Cleans decks, planters and lawn furniture too.

- Especially helpful on streams and waterfalls
- Deep cleans planters and rocks
- Oxidizes and Detoxifies
- Helps to prevent pond odors

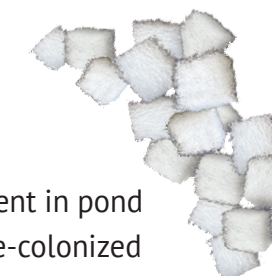
SIZE	ITEM #	TREATS	APPLICATION RATE
2 LBS.	OPCSM	UP TO 10,000 GALS.	To treat areas with debris buildup, sprinkle over area needing treatment. Make direct contact but avoid live plants where possible.
8 LBS.	OPCMD	UP TO 40,000 GALS.	
18 LBS.	OPCLG	UP TO 90,000 GALS.	
45 LBS.	OPCXL	UP TO 225,000 GALS.	



SKIMMER & FILTER MEDIA TREATMENTS

BULK MINI PADS

- High water flow with no clogging
- Fits most filters and skimmers
- Traps suspended dirt and debris
- Use Media Bags for direct placement in pond
- May be replaced or cleaned and re-colonized



SIZE	ITEM #	TREATS	APPLICATION RATE
500 PC. BOX	BSPAD500	SEE LABEL	The quantity to use is limited only by the design and capacity of your filter.
1,000 PC. BOX	BSPAD1000		

SUPER START BEAD FILTER BACTERIA

FOR ALL BEAD & BIOLOGICAL FILTERS NATURAL - NONTOXIC - NONPATHOGENIC

Like most types of mechanical/biological filters, bead filters rely on the use of a media that provides a high surface area/volume ratio. This allows for support of the necessary amount of biomass, in the form of biofilm, to properly remove organic and inorganic waste from the water, making it suitable for fish and other normal aquatic life. Within the biofilm it is possible to carry out aerobic, facultative anaerobic and chemosynthetic processes if all the necessary bacterial species are present. Consequently, for these filters to function, it is necessary to have proper numbers and distribution of species. MICROBE-LIFT/SUPER START contains aerobic heterotrophs, facultative anaerobes, anaerobic and chemotrophic bacteria capable of carrying out all the necessary processes for optimum performance of bead filters.

- Rapid establishment of organic removal capabilities
- Rapid establishment of nitrogen cycling including nitrification and denitrification
- Reduces buildup of residue in the filter, decreasing maintenance and improving filter efficiency by avoiding “channeling.”
- Rapid recovery of filter after use of medications and antibiotics
- Breakdown of residual medications, like tea tree oils and formalin products, which are inhibitory to most bacteria, after use
- Significantly reduces noxious odors caused by algae, fish, waste and urine
- Reduces hydrogen sulfide, which creates strong, offensive odors

SIZE	ITEM #	TREATS	APPLICATION RATE	
32 OZ.	MLBFBQ	UP TO 500 GALS./ 10 TREATMENTS UP TO 1,000 GALS./ 8 TREATMENTS	Pond Volume (Gals.)	Dosage
			80-200	2 oz.
			201-500	3 oz.
GALLON	MLBFBG4	UP TO 1,000 GALS./ 32 TREATMENTS	501-1,000	4 oz.
			1,001-5,000	6 oz.
			When starting up the filter, apply MICROBE-LIFT/Superstart for 4 weeks. After cleaning the filter apply for 2 weeks.	



TEST STRIPS & KIT FOR WATER QUALITY

5-IN-1 TEST STRIPS

Tests: Nitrate, Nitrite, Total Hardness, Total Alkalinity & pH



SIZE	ITEM #	TREATS	APPLICATION RATE
50 TEST STRIPS	TEST5	50 WEEKS IF USED AS DIRECTED	SEE LABEL

KH TEST KIT

Tests: KH (Carbonate Alkalinity) - essential for nitrification.



ITEM #	APPLICATION RATE
TESTKH	See label

ML/GEL FILTER PAD BACTERIAL INOCULANT

MICROBE-LIFT/ML Gel is a technological breakthrough because it's the first product that puts the bacteria right where you want it and it STAYS THERE! ML/Gel will quickly attach to and populate any filter media including foam, strapping, floss, bio-balls, ceramic media, etc. This will help to rapidly establish the necessary biological activity in your filter to stabilize your pond's environment quickly. It will also help restore this activity to your filter when you clean or change the media.

- Easily applies to filter pads and media without running or getting messy.
- Contains naturally occurring biopolymers, helping organisms quickly attach to media allowing for 80% reduction in filter start-up time.
- Helps to stabilize pond environment quickly upon startup and to eliminate transient instability that can occur when filter media is cleaned or replaced.
- Allows for more frequent cleaning of filters without subsequent instability
- Reduces the frequency of cleaning by accelerating the breakdown of organic solids that can lead to high maintenance requirements
- Helps to establish denitrification in the filter which can lower nitrate levels in the pond



SIZE	ITEM #	TREATS	APPLICATION RATE	
8 OZ.	GEL8	UP TO 200 GALS./ 4 TREATMENTS	Pond Volume (Gals.)	Dosage
			80-200	2 oz.
			201-500	3 oz.
16 OZ.	GEL16	UP TO 1,000 GALS./ 4 TREATMENTS	501-1,000	4 oz.
			1,001-5,000	6 oz.
			Inoculate (spread) ML/GEL directly on the filter pad or media. The ML/GEL will absorb into the pad/media by letting it set 15-30 minutes before turning the pump, filter and skimmer back on (provided water can maintain adequate oxygenation without circulation for this amount of time.) Repeat application of ML/GEL with each cleaning/replacement of filter pads/media, when nitrate levels exceed 0.6 mg/L or as necessary to maintain optimum performance from your filter or skimmer. Note: Please store in a cool location.	



SEASONAL PRODUCTS

SPRING/SUMMER CLEANER

- Helps jump start your pond in the spring
- Reduces buildup of dead leaves and cellulosic organic sediment



SIZE	ITEM #	TREATS	APPLICATION RATE				
			2 oz. Packets				
8 PCS - 2 OZ. PACKETS	10XSSCX1	UP TO 5,000 GAL POND FOR 4 WEEKS	Pond Vol. (Gals.)	Wk. 1	Wk. 2	Wk. 3	Wk. 4
			80-500	1	1	1	1
			501-1,000	2	1	2	1
			1,001-5,000	2	2	2	2



AUTUMN/WINTER PREP

MICROBE-LIFT/AWP helps accelerate the decomposition of leaves, sediment and other organic matter during the fall and winter months. MICROBE-LIFT/AWP will also help jump start your pond to a healthier environment in the spring. MICROBE-LIFT/AWP is a two-part system of LIQUID bacteria and DRY, water soluble packets containing a blend of cellulase enzymes, cellulase-producing bacteria and a cold weather bacteria. The cellulase enzymes, along with the cellulase-producing bacteria, are the key to accelerating the breakdown of leaves, organic sediment and sludge all winter long. The cold weather bacteria and liquid bacteria take care of the initial breakdown by-products.

- Contains psychrophilic strains (cold weather bacteria)
- Provides sustained biological activity in water temperatures under 40° F (4° C)
- If frozen, bacteria will remain effective after thawing out
- Effective in darker conditions (under ice and snow)
- Maintains a healthy immune system for your fish during the winter months



SIZE	ITEM #	TREATS	APPLICATION RATE				
			Pond Vol. (Gals.)	1st Application Dosage (oz.)	Next 3 Weeks Once per Week Dosage (oz.)	Maintenance Once per Mo. Dosage (oz.)	Packets per Month
32 OZ. BACTERIA + 4 PCS - 2 OZ. PACKETS	AUTPREP	SEE LABEL	80-200	4 oz.	2 oz.	2 oz.	1
			201-500	6 oz.	3 oz.	3 oz.	1
			501-1,000	8 oz.	4 oz.	4 oz.	1
			1,001-2,500	12 oz.	6 oz.	6 oz.	1
			Note: Simply toss 1 water soluble cellulase enzyme packet into your pond every month				
GALLON BACTERIA + 8 PCS - 2 OZ. PACKETS	AUTPREPGK	SEE LABEL	2,501-5,000	16 oz.	8 oz.	8 oz.	2
			5,001-7,500	20 oz.	10 oz.	10 oz.	2
			7,501-10,000	24 oz.	12 oz.	12 oz.	2
			10,001-25,000	48 oz.	20 oz.	20 oz.	3
			25,001-50,000	96 oz.	40 oz.	40 oz.	3
			50,001-100,000	1 gal.	60 oz.	60 oz.	3
100,001-300,000	2 gal.	96 oz.	96 oz.	4			
Note: Simply toss the designated number of water soluble cellulase enzyme packets into your pond every month							



SA SLUDGE-AWAY

Sludge Away is formulated specifically for the removal of organic bottom solids that are slow to degrade. Works faster at warm water temperatures, however may be used effectively at any temperature year - round. Recommended for use with all MICROBE-LIFT bacteria and enzyme products. Provides "rapid & natural sludge and muck removal". 80% faster than competitive products. Binds phosphate. Helps improve pond clarity. 100% natural active ingredients. Disperses quickly. Organic and microbial based.

NOW IN 55 GALLON DRUMS

SIZE	ITEM #	TREATS	APPLICATION RATE
32 OZ.	MLXSAQ	3,200 GAL.	1 oz. per 100 gals. of pond water every week until sludge is eliminated
GALLON	MLXSAG4	12,800 GAL.	
GALLON	MLXSAG6	12,800 GAL.	
5 GALLONS	MLXSA5G	64,000 GAL.	Maintenance: Treat with MICROBE-LIFT/SA monthly or as necessary thereafter
55 GAL DRUM	MLXSA55G	704,000 GAL.	

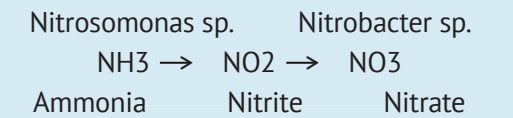


NITE-OUT II

SPECIALLY FORMULATED FOR RAPID AMMONIA & NITRITE REDUCTION

MICROBE-LIFT Nite-Out II is designed specifically for ponds that contain aquatic life. Its highly specialized microbial consortium of nitrifying cultures are specially formulated to eliminate ammonia via a natural biological process termed nitrification. The cultures will establish, promote or stabilize and maintain nitrification in pond waters, eliminating the toxic effect of ammonia. It contains select strains of Nitrosomonas and Nitrobacter. Nitrosomonas converts ammonia to nitrite and Nitrobacter converts nitrite to nitrate.

- Initiates & promotes stable nitrification
- Provides stable cold weather nitrification
- Safe for use around plants and animals



SIZE	ITEM #	TREATS	APPLICATION RATE			
			Pond Vol (Gals.)	1st App (Purge)	Next 4 Wks (1 x wkly)	Maintenance (1 x monthly)
16 OZ.	NITE16	500 GAL POND - 14 MOS.	80-500	1 oz.	0.5 oz.	1 oz.
32 OZ.	NITE32	2,500 GAL POND - 5 MOS.	501-2,500	5 oz.	2.5 oz.	5 oz.
GALLON	NITEGAL	5,000 GAL POND - 11 MOS.	2,501-5,000	10 oz.	5 oz.	10 oz.
5 GAL-LON	NITEG5	5,000 GAL POND - 11 MOS.	2,501-5,000	10 oz.	5 oz.	10 oz.



MICROBE-LIFT®

A LIQUID EXTRACT ESPECIALLY HELPFUL WHERE BOTTOM DRAINS ARE PRESENT!

BARLEY STRAW CONCENTRATED EXTRACT

- Goes to work on contact
- Releases decomposition by-products immediately
- Not harmful to aquatic life, plants humans or pets
- One ounce is equal to multiple barley straw bales
- Can be used all year round
- No messy residual



NOW IN 55 GALLON DRUMS

When a pond's ecosystem is mature and balanced, the water is usually clear and healthy for aquatic life. This maturation process is a function of the microbiological and chemical properties of the water.

NATURAL CHEMICAL MATURATION

MICROBE-LIFT/BARLEY STRAW LIQUID & DRY formulations help to mature the pond with natural chemicals just as a pure mountain stream matures through the years by the introduction of natural breakdown products from trees, plants, etc. These natural breakdown products often include humic and fulvic acid and organic acids that have a natural ability to sequester, or tie up, inorganic compounds so their concentrations in the pond don't get to levels that would unbalance the pond's ecosystem. These substances can also lead to natural purification of the pond through a slow release of hydrogen peroxide as they react with sunlight. The hydrogen peroxide is produced at levels that help purify the water while not having any adverse effects on desirable aquatic life. The sequestering, in conjunction with microbiological cycling, provides a stable natural ecosystem in your pond.

BIOLOGICAL MATURATION

The microbiological maturation process involves development of symbiotic populations of bacteria which stabilize the critical organic and inorganic components of the pond. The microorganisms do this through their ability to promote "biogeochemical cycles" - including carbon, nitrogen and phosphorus cycles - elements critical to all forms of aquatic life. By stabilizing these components, the bacteria prevent pollution of the pond. It can take some time to accomplish this "biological maturation" in a man-made pond and may never occur as the maturation process is constantly interrupted by certain pond practices like cleaning out the pond. The process can be accelerated significantly through the use of MICROBE-LIFT/PL - a virtual "ecosystem in a bottle" - and mimics the complex interdependent populations in a mature pond.

AN ENVIRONMENTALLY RESPONSIBLE, COST-EFFICIENT POND CONDITIONER THAT IS A CLEAN AND EASY, NATURAL AND ORGANIC APPROACH TO A HEALTHY POND ENVIRONMENT.

POND MICROBE-LIFT®

BARLEY STRAW PRODUCTS



BARLEY STRAW PELLETS+

- Less mess and cost than bales of barley
- Clarifies ponds organically - no harmful chemicals
- Barley Straw Pellets are easier to apply to your pond than bales, pillows or pads
- Easier to tailor dosage
- Decomposes quickly and works year-round to soften pond water and reduce effects of phosphate

SIZE	ITEM #	TREATS	APPLICATION RATE				
			Pond Vol.		CLEAR WATER		TURBID WATER
2.2 LBS.	10BSPP2.2	150 GALS. - 19 MOS. 400 GALS. - 8 MOS.	Gals.	oz	mL	oz.	mL.
			80	2	70	4	140
			100	3	90	6	180
4.4 LBS.	10BSPP4.4	500 GALS. - 12 MOS. 800 GALS. - 8 MOS.	150	4	130	8	260
			200	6	175	12	350
			300	9	260	18	520
10.5 LBS.	10BSPP10.5	1,000 GALS. - 14 MOS. 2,500 GALS. - 6 MOS.	400	12	350	24	700
			500	15	425	30	850
			600	18	525	35	1,000
25 LBS.	BPPX25	SEE LABEL	700	21	600	40	1,200
			800	24	700	48	1,400
			1,000	30	870	60	1,750
40 LBS.	BPPX40	SEE LABEL	1,500	45	1,300	90	2,600
			2,000	60	1,700	120	3,400
			2,500	70	2,000	140	4,000
			4,000	95	2,750	210	5,500
			5,000	130	3,750	280	7,500

Apply every six weeks

CONCENTRATED BARLEY STRAW EXTRACT

- Easy to use and goes to work immediately and can be used all year long
- Specially formulated to naturally balance pond water and improve clarity



NOW IN 55 GALLON DRUMS

SIZE	ITEM #	APPLICATION RATE			
		Pond Vol.	Week 1	Week 2, 3 & 4	Maintenance 1x per month
8 OZ.	MLCBSE250	Gals.	oz	oz	oz
		up to 500	2	0.50	0.75
16 OZ.	MLCBSE500	501-1,000	3	0.75	1.25
		1,001-1,500	4	1.00	1.50
32 OZ.	MLCBSE1L	1,501-2,000	6	1.25	1.75
		2,001-3,000	8	1.50	2.25
64 OZ.	MLCBSE2L	3,001-4,000	10	2.00	3.00
		4,001-5,000	12	2.50	3.50
GALLON	MLCBSEG4	5,001-6,000	16	3.00	4.00
		6,001-7,000	20	3.50	4.50
5 GALLON	MLCBSE5G	7,001-8,000	24	5.00	6.00
55 GALLON	MLCBSE55G	8,001-10,000	32	6.00	8.00

CONCENTRATED BARLEY STRAW EXTRACT+PEAT

- Easy to use and goes to work immediately and can be used all year long
- Specially formulated to naturally balance pond water and improve clarity
- Includes liquid peat to help maintain an ideal pH
- Safe for aquatic life, plants, humans or pets.



NOW IN 55 GALLON DRUMS

SIZE	ITEM #	APPLICATION RATE			
		Pond Vol.	Week 1	Week 2, 3 & 4	Maintenance 1x per month
8 OZ.	BSEP08	Gals.	oz	oz	oz
		up to 500	2	0.50	0.75
16 OZ.	BSEP16	501-1,000	3	0.75	1.25
		1,001-1,500	4	1.00	1.50
32 OZ.	BSEP32	1,501-2,000	6	1.25	1.75
		2,001-3,000	8	1.50	2.25
64 OZ.	BSEP64	3,001-4,000	10	2.00	3.00
		4,001-5,000	12	2.50	3.50
GALLON	BSEPG4	5,001-6,000	16	3.00	4.00
		6,001-7,000	20	3.50	4.50
5 GALLON	BSEPG5	7,001-8,000	24	5.00	6.00
55 GALLON	BSEPG55	8,001-10,000	32	6.00	8.00

TAC TOTALLY ACTIVE CLARIFIER
DRY BACTERIAL CULTURES

The Differences Between ML/PL and ML/TAC

While MICROBE-LIFT/PL has become the #1 pond clarifier asked for by brand name, there have been, and always will be, people who prefer products in a dry powder form. Because there are opportunities to formulate certain dry components into a dry product that would not be practical to mix into a liquid, Ecological Laboratories has developed MICROBE-LIFT/TAC.

Since Ecological Laboratories is the producer of the most popular biological pond clarifier on the market, there will inevitably be questions about the differences between the two products and why one would be selected over the other. Here is a list of the basic differences with the features and benefits of each:

1. MICROBE-LIFT/TAC does not have photosynthetic bacteria, which is one of the keys to the performance of MICROBE-LIFT/PL and what sets it above all other biological products for ponds. Unfortunately, no one has been successful to this point at preserving photosynthetic cultures in dry form. These photosynthetic bacteria are a valuable source of ML/PL's ability to clarify water and are capable of tapping into a potent source of energy to do this - the sun. Many of these photosynthetic bacteria are also potent detoxifiers of water.
2. The organisms in ML/TAC are not grown together in the same container, as ML/PL is. As a result, you don't get the same "ecosystem in a bottle" that you get with ML/PL, and as a result, not quite the same ability to ecologically balance your pond.
3. The ML/TAC has powdered activated carbon which is well-known for its abilities to clarify water by providing a point surface for bacteria to grow on. It then acts as a weighting agent to help these bacteria settle to the bottom, thus removing turbidity associated with dispersed bacteria. The carbon also acts as a detoxifier by absorbing micro amounts of toxic materials: i.e. pesticides that can make their way into a pond.
4. ML/TAC also has sodium bicarbonate - a buffer that can help stabilize the pH.
5. ML/TAC has sea salt that helps to induce a protective slime layer on fish.
6. ML/TAC dry formulation has no odor.



NO FILLERS!

100% ACTIVE INGREDIENTS!

100% EFFECTIVE!

100% WATER SOLUBLE!

SIZE	ITEM #	TREATS	APPLICATION RATE	
1 LB.	MLXTAC16	500 GAL POND - 16 WKS.	First 4 Weeks (Weekly) 1 oz. (2 Tbs.) for every 250 gallons of pond water	Maintenance (Twice Monthly) 1 oz. (2 Tbs.) for every 250 gallons of pond water

CMC CALCIUM MONTMORILLONITE CLAY

It is said the secret to healthy, colorful Japanese koi is the clay mud in which they are raised. MICROBE-LIFT/CMC comes from one of the highest calcium clay deposits in the world. Calcium-based clay may help your pond water to produce some of the healthiest and deeply colored koi you've ever raised (or seen!) The koi's markings will become brighter and more dominant. Plastic pre-formed ponds, as well as vinyl, cement and rubber ponds, do not have any nutrients on their bottom. In the wild, carp use mud to get many of their micro-nutrients and minerals. MICROBE-LIFT/CMC has a negative electric charge which will bind the clay particles to positively charged toxins in the water. MICROBE-LIFT/CMC is not only a nutrient source for koi, it will also "polish" your pond water. The clay acts as a natural flocculent and the particles that are bound up are filtered out of the pond. The clay can help make pond water sparkling clean (polishing).

SIZE	ITEM #	TREATS	APPLICATION RATE	
			Pond Volume	Maintenance
2 LBS.	MLKKB2	200 GAL POND - 2 YRS.	100-249 gals.	1 level tsp. twice weekly
4 LBS.	MLKKB4	500 GAL POND - 16 MOS.	250-500 gals.	1 level Tbs. twice weekly
6 LBS.	MLKKB6	1,000 GAL POND - 1 YR.	501-1,000 gals.	2 level Tbs. twice weekly
25 LBS.	MLKKB25	EXTRA LARGE PONDS OR PONDS WITH MANY FISH	You may use more clay to meet your goals. Cannot be overdosed.	

100% NATURAL FORMULATION FOR POND CLARITY, KOI HEALTH, GROWTH & COLOR



MOSQUITO CONTROL

BMC BIOLOGICAL MOSQUITO CONTROL

- Biological Larvicide
- Use to prevent mosquitoes from breeding in birdbath or statuary
- Can be used in water gardens that contain live fish and plants
- Up to 14 days activity depending on application site
- Disperses evenly in water
- No toxicity to fish, non-target invertebrates
- No adverse aesthetics to the pond
- Can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife
- E.P.A. Registered

SIZE	ITEM #	TREATS	APPLICATION RATE
2 OZ	BMC2	400 GALS. - 2 YRS.	Use 6 drops per 100 gals. of water. Use the dosage cup provided. Add directly to water to be treated.
6 OZ.	BMC6	2,000 GALS. - 16 MOS.	Use 2.5 mL. per 1,000 gals. of water (5 mL. per 2,000 gals. of water) every other week. Treat weekly if necessary.
1 GAL	BMC1G4	SEE LABEL	



BMC1G4 IS NOT FOR SALE, DISTRIBUTION OR USE IN NEW YORK STATE AND TEXAS.. BMC2 (2 OZ. SIZE) NOT AVAILABLE IN NEW MEXICO

BLOOM & GROW SPECIALLY FORMULATED FOR AQUATIC PLANTS OF ALL TYPES TO PROMOTE LARGER, BRIGHTER AND FASTER BLOOMS AS WELL AS HEALTHIER AND STRONGER ROOTS

- Highly concentrated formula
- Contains micro and macro nutrients
- Essential primary and secondary nutrients
- Phosphate free



THIS PRODUCT IS NOT A FERTILIZER

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	BNG16	4,800 GAL.	Add one ounce per 300 gallons of pond water. For 16 oz size, 1 oz = 5 capfuls
32 OZ.	BNG32	9,600 GALS.	For 32 oz size, 1 oz = 4 capfuls
GALLON	BNGGAL	38,000 GALS.	For 1 gal size, 1 oz = 5 capfuls



CAPM
CONCENTRATED AQUATIC PLANTING MEDIA WITH BENEFICIAL BACTERIA

- Pre-colonized with heterotrophic beneficial bacteria
- 100% natural minerals
- Will not float or cloud pond water
- No fertilizer, compost, peat, or pesticides

SIZE	ITEM #	TREATS	APPLICATION RATE
10 LBS.	MLCAPM10	SEE LABEL	USE AS NEEDED
20 LBS.	MLCAPM20		

MICROBE-LIFT/LICE & ANCHOR WORM TREATMENT
FOR LICE & ANCHOR WORMS IN POND FISH

MICROBE-LIFT/Lice & Anchor Worm is the most effective treatment for diseases of fish caused by lice and anchor worms. When used as directed, MICROBE-LIFT/Lice & Anchor Worm will not harm biological filtration and may be used on scaleless fish. May be used in any water temperatures above 40° F (4° C).



SIZE	ITEM #	TREATS:
16 OZ. (473 mL)	LAWP16	4,800 GAL. (18,170 L.)
32 OZ. (946 mL)	LAWP32	9,600 GAL. (36,340 L.)
1 GAL. (3.785 L)	LAWPG1	38,400 GAL. (145,360 L.)

BSDT BROAD SPECTRUM DISEASE TREATMENT

This is the preminent product in this field because it is formulated with Malachite Green Chloride instead of the more toxic oxalate salt. It is the most effective treatment for the control of diseases caused by Ichthyophthirius (Ich), Costia, Trichodina, Chilodonella, Oodinium, and fungal infections.

DO NOT FREEZE. DO NOT USE WITH SALT.



SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	BSDT16	UP TO 4,800 GALS.	Add 3.5 fl. oz. (100 mL) of MICROBE-LIFT/BSDT for every 1,000 gallons of water to be treated. As with all disease treatments an initial partial water change of at least 20% must be made; a nearly total water change (>90%) will greatly improve the effectiveness. Remove all carbon filtration just before adding MICROBE-LIFT/BSDT, and replace the carbon at the conclusion of the treatment. Treatment may be repeated daily following at least a 20% water change. The treatment may be repeated every 8 to 12 hours depending upon the response of the fish to the treatment. Do NOT bypass your bio-filters, allowing a more comprehensive treatment of the entire pond system.
32 OZ.	BSDT32	UP TO 9,600 GALS.	
GALLON	BSDTG1	UP TO 38,400 GALS.	

STRESS RELIEF

- Removes chlorine and chloramines
- Adds a multi-part skin slime-coat replacer
- Detoxifies heavy metals
- Adds essential electrolytes



SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	SRP16	960 GALS.	To condition water for (1) new ponds, (2) before, after or during water additions, or (3) before adding new fish, amphibians, invertebrates or plants, add 1 teaspoonful (5 mL) of MICROBE-LIFT/Stress Relief per 10 gallons (38 L) of water. Add to transport bags at the same dosage. For larger applications use the following measurements: 1 fl. oz. (30 mL)/60 gal. (227 L). Shake well before using. Non-toxic to humans, pets and aquatic life.
32 OZ.	SRP32	1,920 GALS.	
GALLON	SRPG1	7,680 GALS.	



THERAP

- Biologically supports the fish's immune system
- Improves fish health, growth and longevity
- Reduces environmental stress
- For use with all ornamental, cold water, temperate, cyprinids, native and wild species
- Safe for all animals in and around the pond

SIZE	ITEM #	TREATS	APPLICATION RATE			
			Pond Vol. (Gals.)	Week 1	Weeks 2, 3, 4	Maintenance 1 x per month
32 OZ.	THERAPQ	500 GAL POND - 11 MOS.	80-250	8 oz.	2 oz.	2 oz.
			251-500	10 oz.	3 oz.	3 oz.
			501-1,000	14 oz.	5 oz.	5 oz.
GALLON	THERAPG4	5,000 POND - 11 MOS.	1,001-1,500	18 oz.	6 oz.	6 oz.
			1,501 - 2,500	24 oz.	8 oz.	8 oz.
			2,501 - 3,500	28 oz.	10 oz.	10 oz.
			3,501 - 5,000	32 oz.	12 oz.	12 oz.
			5,001 - 7,500	40 oz.	16 oz.	16 oz.
			7,501 - 10,000	48 oz.	20 oz.	20 oz.

PLEASE NOTE: THE 'TREATS' REFLECTS THE MAINTENANCE DOSAGE



POND SALT

POND SALT CRYSTALS

Will help maintain a healthy pond environment and reduce the threat of parasitic disease in pond water.

For Stress Reduction:

Use for quarantine tanks containing added electrolytes and Allantoin, which accelerates wound and fin healing.

**REDUCES THE EFFECTS OF NITRITE TOXICITY
ADDS ELECTROLYTES**

SIZE	ITEM #	TREATS	APPLICATION RATE
2.5 LBS.	PSALTSM	100 GALS.	Small Ponds: 1/2 cup (120 g) per 10 gals. (38 L) of pond water
5 LBS.	PSALTMD	200 GALS.	
9 LBS.	PSALTLG	360 GALS.	Large Ponds: 5 cups (1.13 kg) per 100 gals. (378 L) of pond water
35 LBS.	PSALTXLG	1,400 GALS.	
50 LBS.	PSALTXXLG	2,000 GALS.	



AQUA XTREME

- A full function, buffered water conditioner
- Detoxifies nitrite, copper and heavy metals
- Removes and detoxifies chlorine and ammonia
- Destroys chloramines and boosts alkalinity
- Adds electrolytes and a slime-coat replacer to reduce stress
- Use in ponds where chloramines are added to the water supply

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	XTP16	960 GALS.	Shake well before using. Add one teaspoon (5 mL) of MICROBE-LIFT/ Aqua Xtreme per 10 gallons of water: to fully condition tap water in new ponds; before, after or during water additions; or before adding new fish, amphibians, invertebrates or plants. For larger applications, add 1 fl. oz. per 60 gallons of water.
32 OZ.	XTP32	1,920 GALS.	
GALLON	XTPG1	7,680 GALS.	



THE ULTIMATE POND PHOSPHATE REMOVER

MICROBE-LIFT/Pond Phosphate Remover is a polymeric blend with outstanding qualities, including the ability to tie-up large quantities of phosphate without negatively influencing the pond water in any way. Phosphate - caused by the decomposition of organic substances such as food surpluses, dead plant matter and excretion - is only harmless in concentrations below 0.1 ppm in fresh water.



WILL NOT HARM FISH OR PLANTS

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	PHOSRE16	UP TO 1,600 GALS.	Use one ounce (5 capfuls) of MICROBE-LIFT/Phosphate Remover per 100 gallons. Depending on water quality, organics and fish waste content, 1 ounce can remove between 1.0 - 1.5 ppm phosphate. If phosphate level is still high, repeat dose. In case of a very high phosphate level, several treatments may be required to eradicate the excess phosphate problem. Always add MICROBE-LIFT/Phosphate Remover to or near the recirculating pump.
32 OZ.	PHOSRE32	UP TO 3,200 GALS.	
GALLON	PHOSREGAL	UP TO 12,800 GALS.	

FLOCCULANT PLUS

A proprietary formulation used to coagulate suspended solids in the pond water. After use, particles in the water settle to the bottom of the pond and/or filter out through the filter system.

- Clears cloudy water
- Safe for aquatic life and plants
- Attracts and precipitates suspended particles
- Improves filtration

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	FPLUS16	UP TO 16,000 GALS.	Add one ounce (5 capfuls) per 1,000 gallons of CLOUDY pond water. Maintain aeration and filtration for maximum clarification. After the milky haze period, conditions should clear within 12-24 hours. Dosage may be repeated as necessary. Dosage rates can vary due to particle type and concentration levels.
32 OZ.	FPLUS32	UP TO 32,000 GALS.	
GALLON	FPLUSGAL	UP TO 128,000 GALS.	



MICROBE-LIFT®

NEW FORMULA!

ALL-NATURAL EXPELLANTS
FOR BACTERIAL DISEASES

SABBACTISUN™

HERBAL WATER CONDITIONER

Effective against these bacterial diseases:

- Bacterial Dropsy
- Fungus
- Milky Skin
- Fin/Tail Rot
- Bulging Eyes
- Ulcers
- Mouth Rot
- Raised Scales

Ready To Use Concentrate
MICROBE-LIFT®/SABBACTISUN™

- #SCON08 - 8 oz. (236 mL.) treats 590 gal. for 10 days
- #SCON16 - 16 oz. (473 mL.) treats 1,183 gal. for 10 days
- #SCON32 - 32 oz. (946 mL.) treats 2,365 gal. for 10 days
- #SCONG1 - 1 gal. (3,785 L.) treats 9,462 gal. for 10 days



NOW AFFORDABLE FOR ALL PONDS WITH FISH!

MICROBE-LIFT®/SABBACTISUN™ is a unique, herbal, immune-enhancing stimulant which reduces bacteria and fungal infections in fish showing symptoms such as: fin and tail rot, ulcers, bulging eyes (Exophthalmia), milky skin, raised scales, mouth rot, fungus and dropsy (ascites). MICROBE-LIFT®/SABBACTISUN™ will help boost the natural immune system of the fish with no risk of building up future resistance, as can occur when antibiotics are used.

MICROBE-LIFT®/SABBACTISUN™ will help to drive pathogenic bacteria off the fish and, without a host, ultimately results in the death of the bacteria. MICROBE-LIFT®/SABBACTISUN™ is effective at reducing bacterial infections as well as ulcers and wounds, which often occur on Koi. Regular antibiotics may kill non-resistant bacteria, but will not heal ulcers and will leave an open wound or ulcer sensitive to reinfection. Even with deep ulcers - and in a surprising short time span - MICROBE-LIFT®/SABBACTISUN™ additionally stimulates and accelerates regeneration of damaged tissue until no trace of the wound remains. So even if an antibiotic treatment is used, you should also use MICROBE-LIFT®/SABBACTISUN™ to minimize infection.

MICROBE-LIFT®/SABBACTISUN™ can be used directly in any pond and is safe for all life in and around it. It is also a great aide to use when acclimating fish to a new environment.

Antibiotic treatments pose many problems for water quality as well as kill nitrifying bacteria in the biofilter so that daily water changes become necessary in order to prevent ammonia poisoning.

QUESTION:

MICROBE-LIFT®/PARAZORYNE™ and MICROBE-LIFT®/SABBACTISUN™ do not kill off the nitrifying bacteria in the filter, how are they still effective against pathogenic bacteria?

ANSWER:

MICROBE-LIFT®/PARAZORYNE™ and MICROBE-LIFT®/SABBACTISUN™ are NOT BIOCIDES! They are natural immune system stimulants. Being such, when either product is used, no bacterial populations are affected in the water or filtration system.

MICROBE-LIFT®

READY TO USE CONCENTRATE

ALL-NATURAL EXPELLANTS
FOR PARASITIC DISEASES

PARAZORYNE™

HERBAL WATER CONDITIONER

Effective against these parasitic diseases:

- White Spot
- Costia
- Flukes (Gill & Skin)
- Trichodina
- Oodinium
- Chilodonella

Ready To Use Concentrate

MICROBE-LIFT®/PARAZORYNE™

- #PCON08 - 8 oz. (236 mL.) treats 590 gal. for 10 days
- #PCON16 - 16 oz. (473 mL.) treats 1,183 gal. for 10 days
- #PCON32 - 32oz. (946 mL.) treats 2,365 gal. for 10 days
- #PCONG1 - 1 gal. (3,785 L.) treats 9,462 gal. for 10 days

USE DURING STRESS, CHANGE OF SEASONS AND AT THE FIRST SIGN OF DISEASE!

MICROBE-LIFT®/PARAZORYNE™ is a unique, herbal immune-enhancing stimulant which reduces skin flukes, (Gyrodactylus), gill fukes (Dactylogyrus), Ich (Ichthyophthirius multifiliis), Oodinium, Costia (Ichthyobodo necator), Chilodonella and Trichodina. Parasitic infections are characterized by symptoms such as: milky skin, flashing and heavy breathing. However, they can only be diagnosed with certainty through microscopic examination.

Naturally controlled by the fish's immune system, parasites are present on most fish in very low levels at all times. When stress levels increase, the ability of the immune system to respond to its requirement to control the natural level of parasites is directly affected. This poor response allows parasites to increase in number, thus causing any of the serious, above-mentioned health issues in the host fish. MICROBE-LIFT®/PARAZORYNE™ supports the fish's immune system, driving off the excess parasites. Since they cannot return to the fish during that treatment, the majority of parasites will starve without a host. So although MICROBE-LIFT®/PARAZORYNE™ does not directly kill parasites, it is ultimately responsible for their death.

MICROBE-LIFT®/PARAZORYNE™ restores the fish's natural balance. It is not a disinfectant. It is harmless to all nitrifying filter bacteria and aquatic plants. Using chemicals can have a *detrimental effect* on the bacterial biomass of the tank/pond ecosystem. Even after a treatment, there will be some parasites present, as there will be on any healthy fish.

BENEFITS OF MICROBE-LIFT®/SABBACTISUN™ AND MICROBE-LIFT®/PARAZORYNE™

100% natural, herbal products. MICROBE-LIFT®/SABBACTISUN™ is effective against pathogenic bacteria such as Aeromonas sp., Pseudomonas sp., Cytophaga/Flavobacterium/Flexibacter sp. and also many antibiotic-resistant bacteria strains. MICROBE-LIFT®/PARAZORYNE™ is effective against parasites such as Gyrodactylus sp., Dactylogyrus sp., Chilodonella sp., Trichodina sp., Ichthyophthirius multifiliis, Ichthyobodo necator and Oodinium sp. Safe for all fresh and brackish water fish species and aquatic plants. Does not result in resistance or affect nitrifying bacteria, non-toxic and does not color the water or stain or affect silicon sealing. No harmful residues, completely biodegradable and environmentally friendly.

In most cases, fish diseases are caused by bad living conditions such as: overcrowding, poor water quality or an improper biotope. To prevent recurrence, examine the underlying cause of the problem. Quarantine new fish for at least four weeks. A single dose of MICROBE-LIFT®/SABBACTISUN™ will help the fish quickly acclimate to its new environment.

With poor water, the immune system of the fish cannot be enhanced by MICROBE-LIFT®/SABBACTISUN™ or MICROBE-LIFT®/PARAZORYNE™



AMMONIA REMOVER

Gives beneficial bacteria time to multiply and recover if the biological filter gets damaged, keeping pond fish from being stressed. Every ounce removes 1.25 ppm of toxic ammonia per 360 gallons of pond water by forming an irreversible complex to reduce free ammonia to safe levels. May be used at startup, when making water changes, replacing lost water due to evaporation or when your pond is overstocked with too many fish.

- Neutralizes residual chlorine and destroys deadly chloramine
- Treats ammonia burn in pond fish
- Safe for use with all pond fish and aquatic life

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	AMRE16	UP TO 5,760 GALS.	To remove and detoxify ammonia, chlorine and chloramines for water in ponds, add 1 teaspoonful of MICROBE-LIFT/Ammonia Remover per 60 gallons (227 L.) or 1 fl. oz. per 360 gallons of water. To remove ammonia in existing ponds add 1 teaspoonful/60 gallons of MICROBE-LIFT/Ammonia Remover for each 0.7 mg/L., or fraction thereof, of measured total ammonia (=0.6 mg/L. total ammonia-nitrogen). To control ammonia when shipping fish or invertebrates use MICROBE-LIFT/Ammonia Remover at the standard dosage rate or increase (up to 10 times) if total ammonia levels are expected to be higher than 1.0 mg/L. It is recommended for routine shipping of fishes and invertebrates that trial static shipping tests be performed to determine the typical levels of total ammonia that will occur in untreated water.
32 OZ.	AMRE32	UP TO 11,520 GALS.	
GALLON	AMREGAL	UP TO 46,080 GALS.	



BOTH LIQUID AND DRY AMMONIA REMOVER ARE SAFE FOR USE WITH FISH INTENDED FOR HUMAN CONSUMPTION.

DRY AMMONIA REMOVER

MICROBE-LIFT®/Dry Ammonia Remover uses a PATENTED process that removes chlorine, DESTROYS chloramines and completely ELIMINATES the ammonia that is left behind when the chloramine bond is broken.

- Ship live animals without toxic ammonia problems for 72+ hours
- Can be combined with antibiotics and anesthetics
- Completely safe for biofilters
- Tested with shrimp, shellfish and aquatic invertebrates

SIZE	ITEM #	TREATS	APPLICATION RATE
1 LB. (.45 KG)	DAR01	3,760 GAL. (14,233 L)	For each measured or anticipated 1 mg/L total ammonia, 1 oz. of ClorAm-X will treat 235 gals. of water. It will remove 1 ppm total ammonia, 3.2 ppm chloramines and 2.0 ppm chlorine
5 LBS. (2.26 KG.)	DAR05	18,800 GAL. (71,165 L)	
10 LBS. (4.5 KG.)	DAR10	37,600 GAL. (142,331 L)	
55 LBS. (25 KG.)	DAR55	206,800 GAL. (782,820 L)	



pH INCREASE SAFELY RAISES pH LEVELS

- Formulated in deionized water
- Includes electrolytes to help maintain osmotic balance
- Contains a slime-coat ingredient for skin protection and stress reduction
- Not harmful to fish or plants

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	PHIN16	UP TO 9,600 GAL	Test pond water the same time each day (dawn=lowest pH; dusk=highest pH) for a pH reading above 8.5. Most ponds target a 7.5 pH with an alkalinity level between 100-200 ppm (normal range). Add one ounce per 600 gallons of pond water for every 0.1 pH unit change desired. Apply in several steps and measure change in pH before next addition. If your pond contains fish and/or plants, do not dramatically change your pH levels more than 0.5 pH unit in a 24 hour period, as not to shock aquatic life and/or fish.
32 OZ.	PHIN32	UP TO 19,200 GAL	
GALLON	PHINGAL	UP TO 76,800 GAL	



pH DECREASE SAFELY LOWERS pH LEVELS

- Formulated in deionized water
- Includes electrolytes to help maintain osmotic balance
- Contains a slime-coat ingredient for skin protection and stress reduction
- Non-phosphate based pH-Decrease
- Not harmful to fish or plants



SIZE	ITEM #	TREATS (UP TO)	APPLICATION RATE
16 OZ.	PHDE16	9,600 GAL	Same as pH Increase
32 OZ.	PHDE32	19,200 GAL	
GALLON	PHDEGAL	76,800 GAL	

7.5 BUFFER STABILIZER

SAFELY BUFFERS pH LEVELS & PREVENTS WIDE pH SWINGS

- Includes 2 pH buffers for gentle effectiveness and 3 electrolytes to help maintain osmotic balance
- Provides necessary alkalinity for nitrification
- Not harmful to fish or plants

SIZE	ITEM #	TREATS	APPLICATION RATE
1 LB.	PHBUF1	OVER 800 GALS.	To LOWER the pH and hold it at 7.5: Add 4 level scoops (included) of this buffer per 120 gals To RAISE the pH and hold it at 7.5: First adjust the pH with MICROBE-LIFT/pH Increase P four level scoops of this buffer per 120 gallons of pond Application Rates: 6 lbs. will treat over 4,900 gals/18,0





NEW! KH - ALKALINITY BIO-ACTIVE BOOSTER

The biological removal of ammonia (nitrification) is one of the most important functions in a pond. This essential microbial process requires the presence of carbonate alkalinity in pond water at all times, as the biological ammonia removal process utilizes 7.1 mgs. of carbonate alkalinity for every 1 mg. of ammonia removed by nitrification. Should pond carbonate levels fall below the necessary level, nitrification will stop and will fail to start again. With the loss of carbonate alkalinity pH levels will vary and be difficult to control as carbonate alkalinity stabilizes pond pH.

SIZE	ITEM #	TREATS:
2 LBS. (0.9 KG.)	CABPSM	SEE LABEL
8 LBS. (3.62 KG.)	CABPMD	
20 LBS. (9.07 KG.)	CABPLG	
50 LBS. (22.67 KG.)	CABPXL	

DEFOAMER ELIMINATES FOAM IN SECONDS!

Gets rid of unsightly foam fast, leaving pond water clean and clear. Persistent foaming can indicate a heavy concentration of undissolved organics. Partial water changes can improve water quality which will help reduce foaming.

- Leaves pond and fountain water clean and clear
- For ponds and fountains of all sizes
- Safe for fish, plants, birds, and aquatic life

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	DFOAM16	UP TO 16,000 GALS.	Add one ounce (5 capfuls) per 1,000 gallons of pond water
32 OZ.	DFOAM32	UP TO 32,000 GALS.	

**WORKS SLOWER
IN COLD WATER**



SUPER DECHLORINATOR + WATER CONDITIONER

- Highly concentrated for maximum dechlorination, detoxification, and water conditioning
- Instantly neutralizes chlorine, chloramines, chlorine dioxide, copper and other heavy metals without scavenging oxygen as other dechlorinators do

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	DECHL16	UP TO 16,000 GALS.	To condition water for new ponds, before, after or during water additions, or before adding new fish, amphibians, invertebrates or plants, add 1 oz. (30 mL.) of MICROBE-LIFT/ Super Dechlorinator+ Water Conditioner per 1,000 gallons (3,785 L) of water.
32 OZ.	DECHL32	UP TO 32,000 GALS.	
GALLON	DECHL GAL	UP TO 128,000 GALS.	



NEW! FARM KIT

Specially formulated to keep farm retention and irrigation ponds clean and clear. The specialized bacteria in PBL and HCSC have been chosen to naturally eliminate organic waste and sludge while improving water quality and reducing nitrate compounds and phosphates. These undesirable compounds can lead to unwanted algae and weed growth.

Microbe-Lift bacterial products are safe for people, livestock, fish, birds and all wildlife.

Each kit contains 5 gallons of ML/Professional Blend Liquid (PBL) and 1 gallon of ML/High Count Spore Concentrate (HCSC). Item #FARMK



POND COLORANTS

BIO-BLACK ENZYMES & POND COLORANT

Specially formulated to safely color reflecting ponds black. Will not stain birds, fish, pond rocks, or most concrete fountains once diluted. Enzymes assist beneficial bacteria in your pond to create a healthy environment. Safe for humans, plants and aquatic life. Mixes completely in hours.

SIZE	ITEM #	TREATS	APPLICATION RATE
8 OZ.	BIOBLK08	4,000 GALS.	Use 1/2 oz. per 250 gallon pond Use 1 oz. per 500 gallon pond
16 OZ.	BIOBLK16	8,000 GALS.	Use 2 oz. per 1,000 gallon pond 1 gallon per surface acre 4 ft. to 6 ft. deep

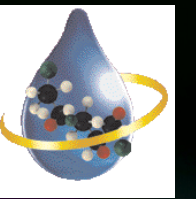


BIO-BLUE ENZYMES & POND COLORANT

Specially formulated to color lakes, lagoons, decorative ponds, fountain, and water features a beautiful shade of blue. Will not stain birds, fish, pond rocks, or most concrete fountains once diluted. Enzymes assist beneficial bacteria in your pond create a healthy environment. Safe for humans, plants and aquatic life. Mixes completely in hours.

SIZE	ITEM #	TREATS	APPLICATION RATE
8 OZ.	MLBB8	4,000 GALS.	Use 1/2 oz. per 250 gallon pond
16 OZ.	MLBB16	8,000 GALS.	Use 1 oz. per 500 gallon pond
GALLON	MLBBG4	64,000 GALS.	Use 2 oz. per 1,000 gallon pond
5 GALLON	MLBB5	320,000 GALS.	1 gallon per surface acre 4 ft. to 6 ft. deep
55 GAL DRUM	MLBB55	3,520,000 GALS.	SEE LABEL





LEGACY KOI & GOLDFISH FOOD

LEGACY KOI & GOLDFISH FOOD

with Nature's Building Blocks™

A Bacterial Diet for Fish

MICROBE-LIFT®/LEGACY foods are made by the extrusion process - not pelleting. During extrusion the cell walls of all organic substances contained in the food are disintegrated under pressure. The nutrients hidden in these cells are thus easily accessible for digesting agents, resulting in much higher digestibility in comparison with pelleted or flaked food. Additionally the LEGACY foods have an extremely low phosphorous content. This keeps fish waste to a minimum and helps to ensure superior water quality.

The concept of probiotics, or direct-fed microbial (DFM) began in the early 1950's when researchers observed a positive growth response in animals fed with antibiotics. This observation led researchers to theorize that intestinal microflora may play a role in health and vitality. Continued research has determined that a delicate balance exists in the intestinal tract between beneficial and potentially harmful bacteria. The balance of these two groups of bacterial is an important factor.

Microbial balance in the fishes' intestinal tract may be upset by a stressor, such as shipping, diet change, water quality/temperature change, environmental change, addition of new aquatic life, etc. If the intestinal population of beneficial bacteria decrease and the potentially harmful bacteria increase, it is possible to compromise fish health and performance. Additionally, koi and goldfish have no stomachs so it is important that enzyme producers survive and germinate in the intestine.

Ecological Laboratories, Inc. has specifically selected two strains of Bacillus (B. subtilis and B. licheniformis) for inclusion in all of its fish foods. These two strains have been selected for their efficient enzyme production and other metabolite-producing capabilities under intestinal tract conditions. These two strains have been tested for 1) Strain, 2) Efficacy and 3) Safety. They are F.D.A. (United States) and E.U. (European Union) approved. These strains were extensively studied and found to be non-genetically modified, to be genetically stable and to produce no toxins. Environmental impact studies were also done. Being a natural product, the two select strains pose no threat in any of the above areas.

The strains in Nature's Building Blocks™ were specifically selected from over 200 other Bacillus organisms using an extensive strain-screening process. The two strains were chosen for the following characteristics:

- Spore forms so they would survive extrusion conditions
- Natural nonpathogenic microorganisms
- Utilize a large number of carbohydrates for their growth
- Secrete a range of relevant enzymes (protease, lipase, amylase)

The strains in Nature's Building Blocks™ produce and secrete a variety of enzymes. These enzymes break down carbohydrates, proteins and fats into smaller, more easily digested nutrients. The nutrients are used for growth, health and vitality. This is especially important in fish that have no stomach and use their intestinal tract for digestion.

Please Note: In addition to the above, the MICROBE-LIFT line of LEGACY Koi and Goldfish foods taste good! Just ask your fish!

The Microbe-Lift® / LEGACY™ 7-Day Nutritional Feeding System

Koi will eat practically anything humans will eat. They are classified as "omnivores," which means they will eat foods which are derived from plants and animals. It is important to make sure your koi get fed a daily diet that is "well balanced." The MICROBE-LIFT/LEGACY 7 Day Balanced Feeding System™ is prepared to provide the highest level of all required nutrients. All six nutrients are formulated into all MICROBE-LIFT/Koi & Goldfish Foods. There are proteins, carbohydrates, fats, vitamins, minerals and water (moisture content). These nutrients provide your koi with body heat, energy, growth material and strengthen their immune system. Every koi has its own nutrient requirements due to its individual size, sex, environment and genetic make-up. Koi are ravenous feeders. They will consume a lot of food in short periods. Koi have no stomach, so while we say it is important to feed them at least twice a day, morning and evening, smaller feedings more often is the more preferred method.

Water temperature is the most important factor in determining what kind of food to feed your fish. The quantity of food required also depends on the size of the fish. The koi's "biological rate" is the rate at which the energy derived from their food is utilized (metabolic rate). It is influenced by the temperature of your pond's water.

Depending on water temperature, choose one of the three primary foods and feed it three days per week (every other day). Alternate with the two supplemental foods (Fruits and Greens and Immuno Food™, four days per week (every other day). When following the MICROBE-LIFT/LEGACY 7 Day Balanced Feeding System™ your fish will have a totally balanced diet while achieving maximum health benefits.



*Actual fish food packaging may appear different than these images



Feeding A Whole New Standard...
It's not just a fish food, it's a complete nutritional feeding system!



LEGACY KOI & GOLDFISH FOOD

Not Just A Fish Food...It's A Complete Nutritional Feeding System!

The MICROBE-LIFT/LEGACY™ Nutritional Feeding System is comprised of the finest cold water fish food formulas on the market today. Each food is manufactured with the highest quality ingredients selected for optimum growth and the latest technology for digestibility and color enhancement. All MICROBE-LIFT / LEGACY™ foods contain the lowest ash content and the highest percentage of digestibility.

Formulation

Dr. Carl Webster has served as our consultant in the formulation of the MICROBE-LIFT/LEGACY™ Nutritional Feeding System. Dr. Webster is currently a professor at one of the top aquaculture research centers in the United States and is also principal investigator for aquaculture nutrition.

Education

In addition to earning his Ph.D. in Aquaculture (finfish and crustacean nutrition) from Auburn University in 1989, Dr. Webster received his B.A. in Zoology from Drew University in 1982 and his Master's degree in Herpetology from Southern Illinois University at Edwardsville in 1984.

Research Focus

Dr. Webster's research is focused on clarifying the nutritional requirements of aquaculture species with actual or potential economic importance to the United States, to design and implement basic and applied nutritional experiments on finfish and crustacean aquaculture species, to design and develop a finfish and crustacean nutrition program, and to assist interested producers and feed mills in formulation of nutritious, economically viable aquaculture diets. Currently, Dr. Webster is working on crustacean/finfish nutrition and diet formulation.



Dr. Carl Webster

Specs for MICROBE-LIFT Fish Feed

Name of Feed	Size (length)	Color	Shape
Fruits and Greens	0.5 - 1.0 cm	Reddish Brown	Medium Rod
High Growth & Energy	0.3 - 0.7 cm	Reddish Brown	Medium Spherical Rod
Immuno Food	0.4 - 1.0 cm	Light Brown	Medium Rod
Mini Pellets	0.1 - 0.2 cm	Brown	Small Spherical Rod
Summer Staple	0.3 - 0.5 cm	Greenish Brown	Medium Spherical Rod
Cold Weather	0.3 - 0.5 cm	Brown	Medium Rod
Sinking Pellets	0.3 - 0.7 cm	Brown	Medium Rod
Big Bites	0.6 - 0.8 cm	Greenish Brown	Big Spherical Rod

WILL NOT CLOUD THE WATER

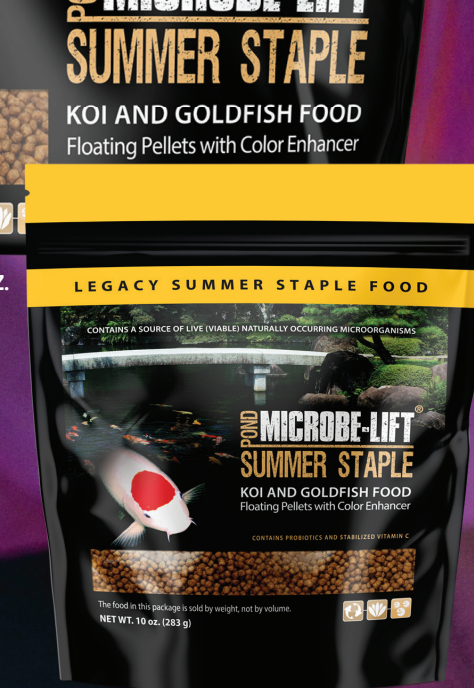
LEGACY SUMMER STAPLE FOOD™

with Added Color Enhancers

As the warmer weather sets in, begin increasing the frequency and quantity of your feeding. The Summer Staple Food has the animal protein and color enhancers that are needed during this season. The added color enhancers are made up of astaxanthin (crab shell), spirulina and krill, which all promote brilliant color development.

CONTAINS STABILIZED VITAMIN C

SIZE	ITEM#	GUARANTEED ANALYSIS	
10 oz.	MLLSSSM	Crude Protein (min.)	36%
2 lbs.	MLLSSMD	Crude Fat (min.)	6%
4 lbs. 12 oz.	MLLSSLG	Crude Fiber (max.)	5%
14 lbs.	MLLSSXL	Moisture (max.)	8%
40 lbs.	MLLSSBAG	Ash (max.)	9%
		Phosphorus (max.)	1.3%
		Copper (min.)	7 mg/kg



PRIMARY FOOD
Feed a Primary food every other day, 3 days per week.

POND MICROBE-LIFT®

LEGACY COLD WEATHER FOOD (WHEAT GERM)

Spring/Fall Formula - Floating Pellets

In the cold weather during spring and fall when the night-time temperature goes below 65° F (18° C) feed the Cold Weather formula. When the pond water's temperature drops, the fish require a highly digestible cool-water diet. The cold water diet is made with lesser amounts of protein but contains wheat germ which is easily digested and also contains a higher level of fats.

SIZE	ITEM#	GUARANTEED ANALYSIS
12 oz.	MLLWGSM	Crude Protein (min.) 32%
2 lbs. 4 oz.	MLLWGMD	Crude Fat (min.) 7%
5 lbs. 4 oz.	MLLWGLG	Crude Fiber (max.) 5%
14 lbs. 8 oz.	MLLWGXL	Moisture (max.) 8%
40 lbs.	MLLWGBAG	Ash (max.) 8%
		Phosphorus (max.) 1.3%
		Copper (min.) 7 mg/kg

CONTAINS STABILIZED VITAMIN C

WILL NOT CLOUD THE WATER

PRIMARY FOOD
Feed a Primary food every other day, 3 days per week.



POND MICROBE-LIFT®

LEGACY GROWTH & ENERGY FOOD

With Added Color Enhancers

In the late spring when the warmer temperatures arrive, koi and goldfish need a boost of protein for growth since they have depleted their fat reserves over the winter. In the fall a higher protein diet is also required since pond fish need to bulk up in preparation for their winter fast. Use this feed at a minimum temperature of 66° F (19° C). Pond fish really start to grow at this temperature. You can use this feed up to four times per day. Feed between 2% - 3% of the fishes' body weight per day.

SIZE	ITEM#	GUARANTEED ANALYSIS
12 oz.	MLLHGSM	Crude Protein (min.) 40%
2 lbs. 4 oz.	MLLHGEMD	Crude Fat (min.) 7%
5 lbs.	MLLHGELG	Crude Fiber (max.) 4%
14 lbs. 8 oz.	MLLHGEXL	Moisture (max.) 8%
40 lbs.	MLLHGEBAG	Ash (max.) 8%
		Phosphorus (max.) 1.3%
		Copper (min.) 7 mg/kg

CONTAINS STABILIZED VITAMIN C

WILL NOT CLOUD THE WATER

PRIMARY FOOD
Feed a Primary food every other day, 3 days per week.



POND MICROBE-LIFT®

LEGACY FRUITS & GREENS

Made With Summer Staple Food

As far as we know, Ecological Laboratories is the first fish food manufacturer to commercially produce this type of food. Variety is the spice of life. If you don't have time to cut up fruits and vegetables for your pond fish, give them this "fruits and greens" blend. We've done the cutting and blending for you. There are apples, apricots, kiwis, mangos, papayas, peaches, pears, broccoli, cabbage, peas, red peppers, tomatoes, zucchini and spinach in this scientific blend.

SIZE	ITEM#	GUARANTEED ANALYSIS
10 oz.	MLLFGSM	Crude Protein (min.) 36%
2 lbs.	MLLFGMD	Crude Fat (min.) 6%
4 lbs. 8 oz.	MLLFGLG	Crude Fiber (max.) 5%
13 lbs. 4 oz.	MLLFGXL	Moisture (max.) 8%
40 lbs.	MLLFGBAG	Ash (max.) 9%
		Phosphorus (max.) 1.3%

CONTAINS STABILIZED VITAMIN C

WILL NOT CLOUD THE WATER

SUPPLEMENTAL FOOD
Feed a Supplemental food every other day, 4 days per week.



POND MICROBE-LIFT®

LEGACY IMMUNO FOOD™

With Montmorillonite Clay

Feed above 66° F (19° C). Alternate feeding the two supplemental foods every other day (four days per week). Due to their lower protein content they can be alternated with the Cold Weather formula during colder weather as well. The Montmorillonite Clay provides additional minerals which help provide more immunity against viruses commonly found in pond environments. Additional quantities of vitamins are also blended into this food. Montmorillonite Clay also acts as a toxin binder by neutralizing the metabolic toxins.

SIZE	ITEM#	GUARANTEED ANALYSIS
10 oz.	MLLISM	Crude Protein (min.) 36%
1 lb. 12 oz.	MLLIMD	Crude Fat (min.) 6%
4 lbs. 8 oz.	MLLILG	Crude Fiber (max.) 5%
13 lbs.	MLLIXL	Moisture (max.) 8%
40 lbs.	MLLIBAG	Ash (max.) 9%
		Phosphorus (max.) 1.3%
		Copper (min.) 7 mg/kg

CONTAINS STABILIZED VITAMIN C

WILL NOT CLOUD THE WATER

SUPPLEMENTAL FOOD
Feed a Supplemental food every other day, 4 days per week.



POND MICROBE-LIFT®

LEGACY VARIETY MIX

Floating Pellets & Sticks

MICROBE-LIFT Variety Mix is the answer for how to feed a blend of fruits, greens, carbohydrates, protein, wheat germ, and vitamins to your koi and pond fish. Contains 25% of each of our most popular Legacy foods: Summer Staple, Fruits and Greens, Immuno Food with Montmorillonite Clay, and Growth and Energy.

SIZE	ITEM#	GUARANTEED ANALYSIS
11 oz.	MLLVMSM	Crude Protein (min.) 37%
2 lbs. 4 oz.	MLLVMD	Crude Fat (min.) 6.25%
5 lbs.	MLLVMLG	Crude Fiber (max.) 4.75%
14 lbs. 8 oz.	MLLVMXL	Moisture (max.) 8%
40 lbs.	MLLVMBAG	Ash (max.) 8.75%
		Phosphorus (max.) 1.3%
		Copper (min.) 7 mg/kg

CONTAINS STABILIZED VITAMIN C

WILL NOT CLOUD THE WATER

PRIMARY FOOD
Feed a Primary food every other day, 3 days per week.



POND MICROBE-LIFT®

LEGACY MINI PELLETS

When Your Little Fish Deserve The Very Best!

The stabilized Vitamin C in these mini pellets help to promote proper tissue development.



SIZE	ITEM#	GUARANTEED ANALYSIS
12 oz.	MLLMPSM	Crude Protein (min.) 36%
2 lbs. 4 oz.	MLLMPPMD	Crude Fat (min.) 5%
6 lbs.	MLLMPLG	Crude Fiber (max.) 4.5%
17 lbs.	MLLMFXL	Moisture (max.) 8%
40 lbs.	MLLMPBAG	Ash (max.) 8%
		Phosphorus (max.) 1%
		Copper (min.) 7 mg/kg



POND MICROBE-LIFT®

LEGACY SINKING FOOD

Summer Staple Food

Sinking (transitional) food may be used when adding new fish to the pond. Generally new fish are shy until they become more familiar with their surroundings and new neighbors. MICROBE-LIFT/Sinking Food Pellets are a great way to make sure your fish receive balanced meals while adjusting to their new surroundings. Additionally, sick fish don't come to the pond's surface and feed off the bottom of the pond.

SIZE	ITEM#	GUARANTEED ANALYSIS
14 oz.	MLLSPSM	Crude Protein (min.) 36%
3 lbs.	MLLSPMD	Crude Fat (min.) 6%
5 lbs. 12 oz.	MLLSPLG	Crude Fiber (max.) 5%
18 lbs. 8 oz.	MLLSPXL	Moisture (max.) 8%
40 lbs.	MLLSPBAG	Ash (max.) 9%
		Phosphorus (max.) 1.3%
		Copper (min.) 7 mg/kg

CONTAINS STABILIZED VITAMIN C

WILL NOT CLOUD THE WATER

PRIMARY FOOD
Feed a Primary food every other day, 3 days per week.



POND MICROBE-LIFT®

LEGACY BIG BITES

Floating and Sinking Pellets

Summer Staple floating pellets in a larger pellet size (0.7-1.1 cm) for feeding your larger Koi has the animal protein and color enhancers that are needed during this season. The added color enhancers are made up of astaxanthin (crab shell), spirulina and krill, which all promote brilliant color development.

SIZE	ITEM#	GUARANTEED ANALYSIS
2 lb.	MLLBBMD	Crude Protein (min.) 36%
5 lbs.	MLLBBLG	Crude Fat (min.) 6%
16 lbs. 12 oz.	MLLBBXL	Crude Fiber (max.) 5%
40 lbs.	MLLBBBAG	Moisture (max.) 8%
		Ash (max.) 9%
		Phosphorus (max.) 1.3%
		Copper (min.) 7 mg/kg



WILL NOT CLOUD THE WATER



SOY-BASED BIRDBATH AND STATUARY CLEANER

- A special blend of soy-based chemistry cleans birdbaths, garden statues, sculptures, stone, brick and pumps.
- Uses renewable soybean resources
- Powerful and safe removal of organic debris and mineral deposits
- Environmentally friendly. Not harmful to fish or other aquatic life.
- Safe for use around plants and grass

SIZE	ITEM#
32 OZ	10SBSC

SOY-BASED BIRDHOUSE AND BIRDFEEDER CLEANER

- A proprietary blend of soy-based chemistry cleans all plastic, vinyl, fiberglass & metal birdhouses and resin/poly birdfeeder surfaces
- Uses renewable soybean resources
- Powerful and safe removal of organic debris and mineral deposits
- Environmentally friendly. Safe for use around plants and home

SIZE	ITEM #
8 OZ.	10SBBC8
32 OZ.	SBBC32



BIRD BATH CLEAR

Uses 2 unique proprietary technologies. One prevents the buildup of stains and mineral deposits, the other uses bio-enzymatic activity to keep the water clear and free of organic debris. Specially formulated for birdbaths inhabited by birds, small fish, frogs, etc.

SIZE	ITEM #	TREATS	APPLICATION RATE
4 OZ.	10BBC4	17 TREATMENTS	<p>NEW/CLEAN BIRDBATH Pour 1 capful per week into water.</p> <p>DIRTY BIRDBATHS Clean the birdbath with ML/BIRDBATH & STATUARY CLEANER - a natural, 100% biodegradable, soy-based cleaner that works symbiotically with Birdbath Clear. Pour one capful per week directly into the water.</p>



SMALL FOUNTAIN CLEAR

Uses 2 unique proprietary technologies. One prevents the buildup of stains and mineral deposits; the other uses bio-enzymatic activity to keep the water clear and filters and pumps free of organic debris. Specially formulated for smaller fountains. All natural ingredients safe for birds, fish, aquatic wildlife, humans, pets, aquatic plants, and lawns.

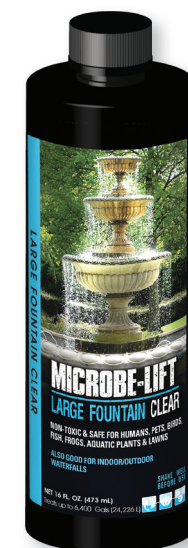
SIZE	ITEM #	TREATS	APPLICATION RATE
4 OZ.	10TFC4	SEE LABEL	<p>CLEAN FOUNTAIN Small fountains under 1 gallon capacity; pour 1/2 capful per week directly into the water. For every 5 gallons, add one capful weekly.</p> <p>DIRTY FOUNTAIN Clean the fountain with ML/BIRDBATH & STATUARY CLEANER, then follow directions above.</p>



LARGE FOUNTAIN CLEAR

Uses 2 unique proprietary technologies. One prevents the buildup of stains and mineral deposits, the other uses bio-enzymatic activity to keep the water clear, and filters and pumps free of organic debris. Specially formulated for larger water fountains & for indoor/outdoor water-falls. All natural ingredients safe for birds, fish, aquatic wildlife, humans, pets, aquatic plants, and lawns.

SIZE	ITEM #	TREATS	APPLICATION RATE
16 OZ.	10LFC16	SEE LABEL	<p>CLEAN FOUNTAIN Pour 1 capful per week directly into the water for each 100 gallons of water.</p> <p>DIRTY FOUNTAIN Clean the fountain with ML/BIRDBATH & STATUARY CLEANER, then follow directions above.</p>





TO OUR CUSTOMERS

We are working diligently to be the best in our field. We humbly thank you for the discerning taste you have shown in purchasing our products. Your continued support means the world to us.

LEADERS IN SCIENCE + GROWING

Ecological Laboratories is an international biotechnology company specializing in the development and production of microbial products for the natural treatment of environmental issues associated with the various uses of water and recycling of organic matter.

CLEAN & CLEAR SOLUTIONS

At Ecological Laboratories, we are strongly aware of our responsibility to environmental stewardship and sustainable development. By providing safe, natural products we allow our customers to also be good stewards of the environment so that it will be suitable for your children and grandchildren. Unlike many other marketers of bacterial products, we produce our own bacteria, so we can be assured that everything we put our name on is 100% safe and effective.

MICROBE-LIFT®

— NOT JUST FOR PONDS —

All Natural Products For:



Pet Odor & Stain Removers



Chicken Coop Cleaner



Home Aquarium

www.MicrobeLift.com



Microbe Life Hydroponics
Grow Products



Lawn & Garden

www.MicrobeLifeHydro.com

MADE IN THE USA 