

# MICROBE-LIFT®

## Barley Straw Concentrated Extract

*A LIQUID Extract Especially Helpful Where  
Bottom Drains are Present!*

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



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**

# 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 negative 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
			400	12	350	24	700
10.5 LBS.	10BSPP10.5	1,000 GALS. - 14 MOS. 2,500 GALS. - 6 MOS.	500	15	425	30	850
			600	18	525	35	1,000
			700	21	600	40	1,200
25 LBS.	BPPX25	SEE LABEL	800	24	700	48	1,400
			1,000	30	870	60	1,750
			1,500	45	1,300	90	2,600
			2,000	60	1,700	120	3,400
40 LBS.	BPPX40	SEE LABEL	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 Concentrated Barley Straw Extract goes to work immediately and can be used all year long.
- Specially formulated to naturally balance pond water and improve clarity
- Easy to use Tip and Pour container allows for convenient measuring for precise usage. No messy residue.

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
		501-1,000	3	0.75	1.25
16 OZ.	MLCBSE500	1,001-1,500	4	1.00	1.50
		1,501-2,000	6	1.25	1.75
		2,001-3,000	8	1.50	2.25
32 OZ.	MLCBSE1L	3,001-4,000	10	2.00	3.00
		4,001-5,000	12	2.50	3.50
		5,001-6,000	16	3.00	4.00
64 OZ.	MLCBSE2L	6,001-7,000	20	3.50	4.50
		7,001-8,000	24	5.00	6.00
		GALLON	MLCBSEG4	8,001-10,000	32
16 OZ.	BSE16F	BILINGUAL FRENCH & ENGLISH PACKAGING			



## CONCENTRATED BARLEY STRAW EXTRACT + PEAT

- Easy to use Concentrated Barley Straw Extract 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
- Easy to use Tip and Pour container allows for convenient measuring for precise usage. No messy residue. Safe for aquatic life, plants, humans or pets.

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
		501-1,000	3	0.75	1.25
16 OZ.	BSEP16	1,001-1,500	4	1.00	1.50
		1,501-2,000	6	1.25	1.75
		2,001-3,000	8	1.50	2.25
32 OZ.	BSEP32	3,001-4,000	10	2.00	3.00
		4,001-5,000	12	2.50	3.50
		5,001-6,000	16	3.00	4.00
64 OZ.	BSEP64	6,001-7,000	20	3.50	4.50
		7,001-8,000	24	5.00	6.00
		GALLON	BSEPG4	8,001-10,000	32