

JBL

Pond care

1-2-3-algae-free

A guide to
solving problems
**Guaranteed Results
or Your Money Back!**



Foreword - The secret to success	Page 3
Environmental compatibility - Safe for humans and animals	Page 4
The JBL Guarantee - The JBL money back guarantee	Page 5
The integral season concept - When setting up your garden pond	Page 6
The integral season concept - In Spring	Page 7
The integral season concept - The Summer months.	Page 8
The integral season concept - Autumn and preparations for Winter	Page 9
The immediate algae control concept - Effective and immediate 3 step algae control	Page 10
The immediate algae control concept - Step 1, Stabilising the pond water	Page 11
The immediate algae control concept - Step 2, Combating algae	Page 12
The immediate algae control concept - Step 3, Limit and remove excess nutrients	Page 13
Product overview - 1-2-3 algae-free concept.	Page 14-16
Shopping tips - 1-2-3 algae-free concept	Page 17
Immediate algae control concept throughout the year	Page 18-20
A final word	Page 21



The secret to success:

At one point or another, every pond owner will come across the issue of algae; either because they are tackling the problem for the first time or because they have already tried various methods and remedies without long term success.

JBL has put scientists to the task and designed a new concept, which, we guarantee, will lead you to the permanent removal of algae.

Of course, a successful concept relies on following the instructions fully without fail. These same rules apply to the JBL 1-2-3 algae-free concept.

Carry out all the steps fully and in the correct order, and then, simply watch it work!

More than a promise, we guarantee your success!



Safe for humans and animals

In the new JBL Pond range our prime concern is ensuring the greatest possible safety for humans as well as for fish and other pets. The two basic care products, **JBL StabiloPond Basis** and **JBL StabiloPond KH** are comprised of ingredients which occur naturally in water and are therefore totally harmless.

All other products in the range are safe for fish and any other animal drinking the water, once they have been added to the pond water according to the instructions.

However, the concentrated products should always be stored out of reach of children and animals.



The JBL money back guarantee:

JBL guarantees you a pond without algae problems if you keep to our 3 steps:

If the algae problem has not been solved at the end of Step 3, please contact the JBL Online Pond Laboratory directly (www.jbl.de/pondlab). You will be given detailed online advice here.

If, despite advice, your algae problems are not solved, you will receive the purchase price of all JBL 1-2-3 algae-free products purchased by you within the current calendar year.

The JBL money back guarantee is granted in addition to the statutory guarantee under the following conditions.

1) Online advice

You have received online advice and implemented the suggestions in good time.

In the event that the algae problem persists, you will be given individual advice from JBL.

2) Individual advice /Reimbursement of purchase price

Send us the evaluation of your online-advice together with the original purchase receipt and photographic evidence of the problem by post. We will analyse the evaluation and then contact you. As a solution you will receive from us:

- personal advice or
- an individual pond care plan, possibly with further free pond care products and If no positive result has been attained after 4 weeks
- reimbursement of the purchase price (of all JBL 1-2-3 algae-free products purchased by you within the current calendar year).



The JBL 1-2-3 algae-free concept; here's how it works:

There are two options to get you started on the JBL 1-2-3 algae-free concept:

- The integral season concept
- The immediate algae control concept

Step 1

Stabilising the water

Step 2

Combating algae

Step 3

Limiting nutrients

Essential pond care based on the seasonal concept

Initial garden pond set-up:

- When first filling with water and every 6 - 8 weeks thereafter, use **JBL StabliPond Basis** to regulate the mineral balance, which in turn keeps the pH level stable.



- When installing a new pond filter, use **JBL FilterStart Pond** containing billions of pollutant-eliminating bacteria to activate your pond filter.



Addition of **JBL StabliPond Basis** to the pond water



The integral season concept

In Spring:

- Check the water quality every 6 - 8 weeks using **JBL PondCheck**. Should the reading indicate a problem, add **JBL StabiloPond Basis** immediately and every 6 - 8 weeks thereafter.
- Reduce the amount of dead leaves falling into the pond and add **JBL SediEX Pond** to break down organic waste.
- Absorb the algae-promoting phosphates dissolving in the water from dead leaves and algae with either **JBL PhosEX Pond Filter** placed in the filter compartment or **JBL PhosEX Pond** direct if the pond is unfiltered.
- Give your pond sunglasses: When used every 4 weeks, **JBL AlgoPond Sorb** filters out sunlight which encourages algae growth, effectively preventing its development.
- Add **JBL BactoPond** to increase the number of pollutant-absorbing bacteria.
- If algae problems occur, please refer to the immediate algae control concept chapter (Page 10).



JBL SediEX Pond is added to the pond (white sediment).



The Summer months:

- Check the water quality every 6 - 8 weeks using **JBL PondCheck**. Should the reading indicate a problem, add **JBL StabiloPond Basis** immediately and every 6 - 8 weeks thereafter.
- Give your pond sunglasses: When used every 4 weeks, **JBL AlgoPond Sorb** filters out sunlight which encourages algae growth, effectively preventing its development.
- In order to ensure sufficient oxygen is available to break down pollutants when temperatures are high, add **JBL OxyPond**.
- If algae problems occur, please refer to the immediate algae control concept chapter (Page 10).



The integral season concept

Autumn and preparations for Winter:

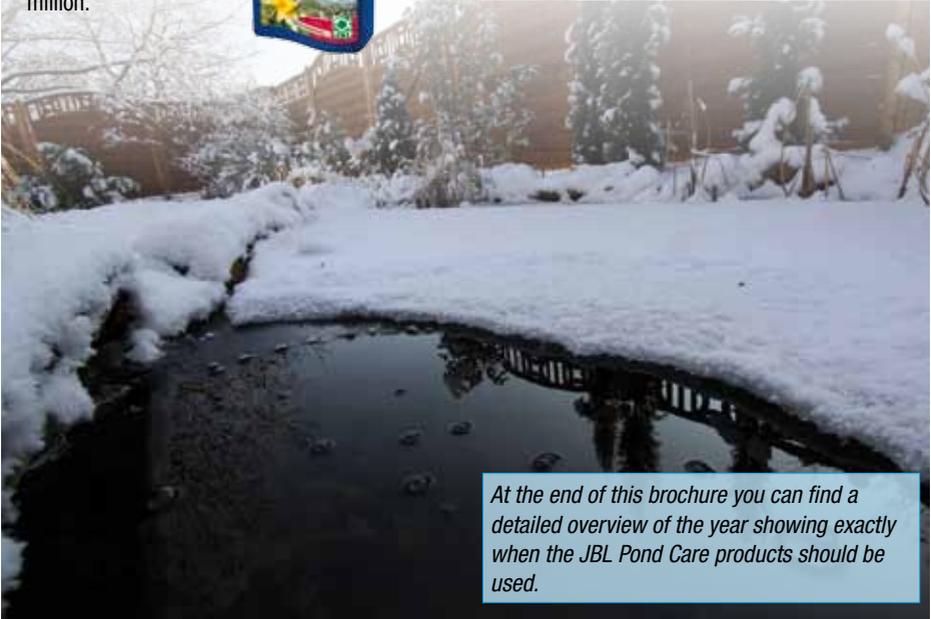
- Reduce the amount of dead leaves falling into the pond and add **JBL SediEX Pond** to break down organic waste. Do not use during periods of frost.



- Absorb the algae-promoting phosphates dissolving in the water from dead leaves and algae with either **JBL PhosEX Pond Filter** placed in the filter compartment or **JBL PhosEX Pond direct** if the pond is unfiltered.



- Add **JBL BactoPond** to increase the number of pollutant-absorbing bacteria by several million.



At the end of this brochure you can find a detailed overview of the year showing exactly when the JBL Pond Care products should be used.

Effective and immediate help against algae in three steps.

Three steps which guarantee success:

Step 1

Step 2

Step 3

Step 1: / Stabilising the water

In the first step, the pond water needs to be stabilised as its mineral content can become extremely diluted by rainwater.

Step 2: / Combating algae

In Step 2, we concentrate on combating algae. When algae die off, they release absorbed nutrients, which promote further algae growth.

Step 3: / Limiting nutrients

To prevent the algae cycle beginning again, step 3 focuses on limiting and removing these excess nutrients.

For ease of use, the colour of the packaging corresponds to traffic lights – you start with green, move on to amber and finish with red for the final step.

Before you start, a pond water test will indicate which step you need to start from.

Just as a doctor would never give a diagnosis without examining the patient, we first have to find out what the quality of the pond water is like. For this you can use **JBL PondCheck**, which checks the two most important parameters (pH = acidity and KH = carbonate hardness) of your pond water and indicates whether action has to be taken. Algae treatment cannot be carried out successfully without stable water values.

If the **JBL PondCheck** shows positive results, you can miss out Step 1. If you use **JBL StabiloPond Basis** to regularly care for the pond water, you will also have a positive result from **JBL PondCheck**. If the result is negative, the water must first be stabilised.

For fans of water analysis:

The carbonate hardness (KH) stabilises the pH level (acidity) of the water. The higher the KH, the more stable the pH level. High KH does not mean high pH, but rather a very stable pH level! If the pH is too high or too low, higher KH will correct the pH level in the direction of 7.5 to 8.3, which are ideal values for garden ponds. It is important to remember that at KH 0, pH tests no longer give a correct reading!



Step 1

Step 1: Stabilising the pond water

Your first step begins in the evening:

In the evening, add **JBL StabiloPond KH** to your pond so that you can start treatment to prevent algae the next morning straight away! The second step has to be carried out in the morning as the ideal water values for adding the algacide only occur at this time of day.

How many litres of water are in your pond?

Let's take the comparison of a visit to the doctor: A small child can't be given an adult dose, just as an adult won't get better on a child's dose. Therefore, finding out the volume of the pond is an essential step. You can have the volume calculated quickly and easily online (www.jbl.de/pondlab) or by using the following formula:

$$\text{Pond volume in litres} = \frac{(\text{length in cm} \times \text{width in cm} \times \text{maximum depth in cm})}{1700}$$

Application – how to use it:

JBL StabiloPond KH is a concentrated mineral powder which is sprinkled directly into the water at the edge of the pond. Avoid dissolving the powder in water beforehand. The powder partially dissolves in the water immediately and then the rest dissolves throughout the night. As an example, for the initial application you would need 200 g for a 1000 litre pond.

The effect – how it works:

The immediately noticeable and vital effect of JBL StabiloPond KH is a reduction of the high pH level of your pond water (particularly in the evening!) to a more healthy level. In addition, the pH level normally drops a little during the night anyway, so the next morning you will have the ideal (and necessary) water conditions for the algacide to take effect.

Regular dosage:

The mineral content of your pond is repeatedly diluted by rain. Therefore repeat doses of **JBL StabiloPond Basis** should be given at regular intervals of 6 - 8 weeks.

In areas with low rainfall, repeat doses every 8 – 12 weeks are still required as the organisms in the pond also use up considerable quantities of minerals.

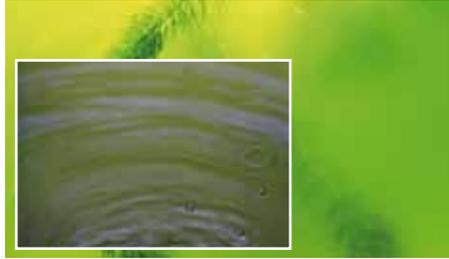
For a repeat dose you need half the initial dose i.e. 100 g per 1,000 L.



Step 2

Step 2: Combating algae

Green floating algae (Green Water) and filamentous algae, commonly known as Blanket Weed, are the main algae found in garden ponds.



For floating algae/Green Water: JBL AlgoPond Green*

With floating algae the pond water appears green and opaque.

Once again the decisive factor is stabilisation: The water needs to be stabilised with **JBL StabiloPond KH**. In the evening before the algae is treated.

Application – how to use it:

Adding **JBL AlgoPond Green*** the next morning: **JBL AlgoPond Green*** is a liquid which is simply poured into the water at the edge of the pond. 500ml is sufficient for 10,000 L.

A repeat treatment can be given after 4 - 6 days, but first check the water parameters using the JBL Pond-Check to ensure stability.

For Blanket Weed: JBL AlgoPond Direct*

Blanket weed forms green clumps on stones, plants and the bottom of the pond. It quickly spreads and the entire pond can become overgrown in no time at all.



AlgoPond Direct*: Small bubbles rise to the surface and shortly afterwards complete clumps of algae detach from the floor of the pond.



Application – how to use it: Sprinkle the **JBL AlgoPond Direct*** powder directly over the blanket weed. The active ingredient takes 24 – 48 hours to eradicate Blanket weed and usually the algae dissolves completely during the next following few days. The effect of the powder is often clearly visible. Small bubbles rise to the surface and shortly afterwards complete clumps of algae will float up to the surface of the pond.

Dosage: Sprinkle 30 - 50g/1,000 L directly onto the clumps of algae.

Follow-up treatment is not usually necessary. However, in the event that follow-up treatment is required, this should only be carried out after 4 days at the earliest.

AlgoPond Direct*: Small bubbles rise to the surface and shortly afterwards complete clumps of algae detach from the floor of the pond.

Unidentified or several types of algae at the same time: JBL AlgoPond Forte*. If different types of algae occur at the same time or if the kind of algae is unknown, **JBL AlgoPond Forte*** would be the right choice. 500 ml is sufficient for 10,000 L of water.

** Use biocides safely. Always read the labelling and product information before use.*



Step 3

Step 3: Limit and remove excess nutrients

Why is this step necessary?

You have now successfully carried out the first 2 steps and the algae have disappeared. But you must not stop now! Algae mainly grow because of the presence of available nutrients. Step 3 is designed to deprive the algae of these nutrients. The dying or now dead algae absorbed many of these nutrients as they grew and have stored them in their tissue. Once the algae are dead, these nutrients are released back into the water! And that's why Step 3, limiting the nutrients, is a vital and elementary step.

How it works:

The most important nutrient for algae is phosphate (PO_4). In theory, up to 15kg of algae can result from about 1g of phosphate.

JBL has two products to absorb phosphates in their range:

In Filtered Ponds:

If a pond filter is in operation, **JBL PhosExPond Filter** can be used in the filter throughout the year. The use of this special filter material is recommended from spring onwards to limit any development of phosphate. Its effect is immediate.

500g of **JBL PhosExPond Filter** is effective for about 3 months and can absorb 25,000mg of phosphate.

In Unfiltered Ponds:

If you do not have a filter, or the filter cannot be filled with special filter material, **JBL PhosEXPond Direct** should be used. It is especially useful after successfully combating an outbreak of algae. 500ml of this liquid phosphate eliminator absorbs 22,500mg of phosphate and is sufficient for 10,000 L of pond water.

The correct dose of **JBL PhosExPond Direct** is added to the pond.

JBL PhosExPond Direct dissolves in pond water and starts working immediately.



The correct dose of **JBL PhosExPond Direct** is added to the pond.



JBL PhosExPond Direct dissolves in pond water and develops its full effectiveness.

Water stabilisation

Step 1



JBL PondCheck
Quick pond water test

- Very simple to use, no prior knowledge required - results in a few seconds.
- Contains pH and KH test set. Sufficient for 50 tests.
- Necessary before starting the JBL 1-2-3 algae-free concept programme.
- The results show if the water is stable or if JBL StabiloPond Basis/KH is needed.

Art.- No.	Content
28015	for 50 tests



JBL StabiloPond Basis
Basic care product for all garden ponds

- An essential base product for a healthy pond, free from algae problems.
- Creates a natural environment in the pond through stable KH, GH and pH levels to meet the needs of pond life.
- Life assurance for fish and other pond life.
- Adds vital bio-minerals to the pond.
- Simply sprinkle 100g granulate for 1,000 L water over the pond's surface.

Art.- No.	Contents	Treats
27310	0.25 kg	2,500 l
27311	1 kg	10,000 l
27312	2.5 kg	25,000 l
27313	5 kg	50,000 l
27314	10 kg	100,000 l



JBL StabiloPond KH
pH-stabiliser for garden ponds

- Stabilises the pH level (acid content) at an optimum 7.5 – 8.5 by increasing the carbonate hardness (KH).
- Results in safe and successful algae elimination.
- Prevents fish loss due to algae blooms.
- Binds heavy metals and promotes the breakdown of toxic ammonia
- Probably the most important product for any garden pond!

Art.- No.	Contents	Treats
27317	0.25 kg	2,500 l
27318	1 kg	10,000 l
27319	2.5 kg	25,000 l
27320	5 kg	50,000 l
27321	10 kg	100,000 l



JBL FilterStart Pond
Filter bacteria to activate pond filters

- Shortens biological cycling time to just a few days.
- Immediately processes ammonium-ammonia and nitrite.
- Bacteria bred on special carrier substance to simply sprinkle into the filter.
- Purely biological product - chemical-free.

Art.- No.	Contents	Treats
27325	0.25 kg	10,000 l

Combating algae

Step 2



JBL AlgoPond Forte*

Solves algae problems

- Liquid algaecide, free from toxic copper.
- Specifically targets the metabolism of algae, preventing algae growth.
- Not harmful to fish, plants and invertebrates in the pond.
- Effective treatment of all types of algae.
- 50 ml / 1,000 L pond water.

Art. - No.	Contents	Treats
27405	0.25 l	5,000 l
27406	0.5 l	10,000 l
27407	2.5 l	50,000 l
27408	5 l	100,000 l



JBL AlgoPond Green*

Against Green Water

- Green water in a pond is caused by floating algae, which are killed off by JBL AlgoPond Green*.
- Liquid algaecide.
- Effective within a few days.
- Safe for fish, plants, invertebrates and micro organism if used and dosed correctly.
- 50 ml / 1,000 L pond water.

Art. - No.	Contents	Treats
26065	0.5 l	10,000 l
26066	2.5 l	50,000 l
26067	5 l	100,000 l



JBL AlgoPond Direct*

Reliable Blanket Weed killer

- Quickly and safely combats Blanket Weed through active oxygen.
- Problem-free application: simply sprinkle over the algae clumps
- The oxygen attacks the algae cells and destroys them.
- Immediate effect: algae noticeably destroyed within a few hours.
- 30 – 50g of JBL AlgoPond Direct per 1,000 L of pond water.

Art. - No.	Contents	Treats
27355	0.25 kg	5,000 l
27356	1 kg	20,000 l
27357	2.5 kg	50,000 l



JBL AlgoPond Sorb

Physically blocks algae growth: reduces algae growth using the "sunglasses effect".

- Acts as a light filter, preventing the required light radiation from reaching the algae.
- Effect can be seen by very slight amber colouring of the water.
- Does not reduce pH or hardness of water.
- Removes chlorine, chloramine and heavy metals
- 50ml per 1,000 L of pond water.

Art. - No.	Contents	Treats
27362	0.5 l	10,000 l
27363	2.5 l	50,000 l

Limiting nutrients

Step 3



JBL PhosEX Pond Direct
Eliminates the algae nutrient phosphate

- Prevents and combats algae problems (Green water and Blanket Weed) in garden ponds by eliminating the nutrient phosphate.
- Suitable for ponds without filters.
- Uses gentle effect of iron compounds to bind and precipitate phosphates.
- Clears cloudy pond water.
- Effective within 24 hours.
- 50ml per 1,000 L of pond water.

Art. - No.	Contents	Treats
27394	0.5 l	10,000 l
27395	2.5 l	50,000 l
27396	5 l	100,000 l



JBL PhosEX Pond Filter
Algae treatment: Elimination of Phosphate (granulate format)

- Prevents growth of Blanket Weed by eliminating phosphate nutrients.
- Significantly reduces high phosphate levels after only 24 hours.
- Effective for approx. 3 months.
- For all pond filters with filter material compartments.
- Includes single use net bag.
- Does not release aluminium or other unwanted substances.

Art. - No.	Contents	Treats
27373	0.5 kg	5,000 l
27374	1 kg	10,000 l
27375	2.5 kg	25,000 l



JBL BactoPond
Promotes biological self-cleaning via highly active bacteria

- Creates healthy, clean pond water by means of the biological breakdown of pollutants.
- Live pond bacteria to breakdown protein, ammonium/ammonia and nitrite.
- Helps avoid fish losses.
- Reduces algae growth by processing excess nutrients.
- Liquid product: 50ml per 1,000 L of pond water.

Art. - No.	Contents	Treats
27326	0.25 l	5,000 l
27327	0.5 l	10,000 l
27328	2.5 l	50,000 l



JBL SediEX Pond
Effective biological break down of pond sludge

- Live bacteria to break down pond sludge.
- Granulate to simply sprinkle over the pond surface.
- Unique combined bacteria and active oxygen system.
- Creates healthy pond water and prevents decay on the floor of the pond.
- Helps avoid fish loss.
- Reduces algae growth by absorbing excess nutrients.

Art. - No.	Contents	Treats
27330	0.25 kg	2,500 l
27331	1kg	10,000 l
27332	2.5 kg	25,000 l

Finding the right product quickly

To make purchasing as problem-free as possible, you should first think about the following:

Which pond care plan do you want to use?

The integral season concept or the immediate algae control concept.

Which products do you need?

Draw up a shopping list with the JBL pond care products required according to the care plan you have selected.

How much do you need?

Calculate the size of your pond as shown in the table on this page.

Please note that the treatment quantities stated on the packaging refer to the one-off use of the entire contents. If you need to use a product several times you will require the corresponding number of packs of that product. It may be an advantage to purchase a larger size pack. In that case, however, you should take care to still give the correct dosage for the size of your pond.

How can you find the product quickly and with certainty when you are shopping?

Whilst looking at our 1-2-3 algae-free concept 1-2-3 you have probably noticed that a different colour is allocated to each of the three care steps. You will find this colour code as a guideline on our products. Each product label is colour-coded with the colour of the particular care step.



Always use the correct dose of a product for the size of your pond.

Each pond is an individual size. That's why we have adapted our products to suit your need.

On the bottom left of each label you will find details of the volume and approximate pond size that each product size will treat.

We classify ponds into the following sizes:

up to 2,500 l	up to 5,000 l / up to 10,000 l	up to 25,000 l	up to 50,000 l	up to 100,000 l
mini pond	small pond	medium pond	large pond	swimming pond

Still unsure about the size of your pond?

You can calculate the volume quickly and easily online at www.jbl.de/pondlab or use the following formula:



$$\text{Pond volume in litres} = \frac{(\text{length in cm} \times \text{width in cm} \times \text{maximum depth in cm})}{1700}$$



Product name	Function	January	February
JBL StabiloPond Basis	Stabilising water	After the final frost	
JBL StabiloPond KH	pH-Stabilising		
JBL FilterStart Pond	Filter activation		
JBL OxyPond	Adding oxygen	✓	✓
JBL AlgoPond Sorb	Filtering out light		
JBL AlgoPond Direct*	Algaecide		
JBL AlgoPond Forte*	Algaecide		
JBL AlgoPond Green*	Algaecide		
JBL CleroPond	Clarifying water		
JBL SediEX Pond	Breaking down pond sludge		
JBL PhosEXPond Filter	Limiting algae nutrients		
JBL PhosEXPond Direct	Limiting algae nutrients		
JBL BactoPond	Breaking down pollutants		

January	March	April	May	June	July
	✓		✓		✓
	Immediately before algae treatment				
	✓	After the filter has been cleaned			
✓					✓
	✓	✓	✓	✓	✓
	Use in conjunction with algae treatment				
	Use in conjunction with algae treatment				
	Use in conjunction with algae treatment				
	For cloudy water				
	✓			✓	
	When the algae die off				
	When the algae die off				
	When the algae die off				

August	September	October	November	December
	✓		Until the first frost	
✓				✓
✓	✓			
	✓		✓	

A final word:

Your pond is now free of algae, so sit back and enjoy the successful results brought to you by the JBL 1-2-3 algae-free concept. Of course, we would have preferred to sell you just one product to resolve all the various issues encountered; but unfortunately, such a product does not exist. The biology of your pond ecosystem is too complex and sensitive for a one-size fits all product.

The JBL 1-2-3 algae-free concept is so success-

ful because it tackles problems using scientifically developed solutions.

If you experience algae problems again next year, you will now be well-prepared. Following and carrying out our 3 steps: Stabilising, Combating Algae and finally Limiting Nutrients, will once again lead you to enjoy an algae free pond

Kind regards - the JBL Team





9726470 V03



JBL GmbH & Co. KG
67141 Neuhofen
Germany
www.JBL.de

This information was provided to you by your **JBL** Partner:

