



Anaerobic bacteria have created this crust. **Slurry Bugs** have just been introduced.



As **Slurry Bugs** digest the crust, liquefied effluent begins to show on the surface.



The effluent can now be **easily spread**. It is also richer in organic nitrogen + phosphorus.

Did bugs eat the crust off this pond?

“Impossible! You never see sky reflected in an effluent pond”

This is the common reaction we get from farmers when they see these pictures.

That's understandable. Despite using expensive machines to stir up and separate the crust, they never get results that look anything like these photos. **So how is this clear, free-flowing effluent possible?**

Fighting the wrong battle?

I make the crust



Though farmers battle against pond crust and sludge, these solids are merely **symptoms** of the real problem. The **cause** of the crusting is **microscopic creatures** that live below the surface – **anaerobic bacteria**.

Anaerobic bacteria are micro-organisms that thrive in **dark environments devoid of oxygen**. To create ideal living conditions, these bacteria separate the effluent fibres then send them to the surface to block light and oxygen. **These fibres form the crust**. They also send fibres to the bottom which combine to form the **sludge**.

Problems these bad bugs cause:

- Their solids **block** pump nozzles
- They cause the unpleasant **odour**
- They lower the **nutrient content** (N, P, K)
- They increase soil **leaching** and run off

Science has found an answer...

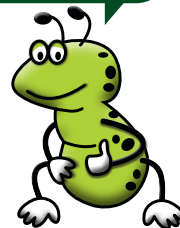
After scientists discovered that **anaerobic bacteria** were the cause of effluent crusting, they realised that the way to beat these bugs was surprisingly simple: put **counteractive bugs** into the effluent pond. These corrective micro-organisms are called **Aerobic Bacteria**.

Aerobic bacteria (**Slurry Bugs**) need oxygen and light. Once introduced to a pond, the first thing they to do is begin eating the top crust in order to let more light and oxygen in.

Slurry Bugs double in number every 20 minutes.

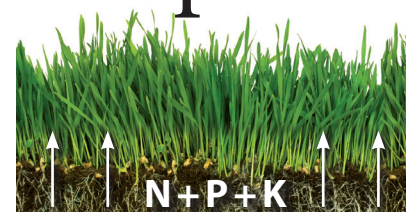
In a matter of weeks, the pond is clear of crust and the effluent is liquefied.

I eat the crust



The benefits of Slurry Bugs

- **Effluent that's easily pumped through an irrigator nozzle.** That means far less clogging and maintenance.
- **Nitrogen and phosphorus are retained in an organic form.** Slurry Bugs capture these nutrients and convert them into a form that is **easily absorbed** by plants.



- **Better grass.** Because the nutrients are presented to the grass in an organic form, there is a far better uptake. The result is healthier and **sweeter** pasture.
- **Less soil leaching and run off.** Because the grass is able to **receive** the effluent nutrients, far less nutrient is lost into the surrounding environments.
- **Significantly less odour.** Effluent odour occurs when nitrogen in the urine vaporises into the atmosphere. **Slurry Bugs** capture this volatile nitrogen and convert it into stable organic form.
- **Big money saved.** Managing your effluent with **Slurry Bugs** is 1/10th cost of a machine-based approach. Richer, spreadable effluent also enables big fertiliser savings to be made.

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0800 4 SLURRYBUGS
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