Products

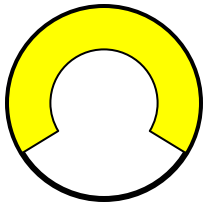
Drain fly Problems

Fight back now



Use ***ProFoamer*** Application Equipment, ***ProFoam*** Platinum non-repellent foaming agent as the carrier and **Bio*Plus*** Microbes to get to those problem areas.

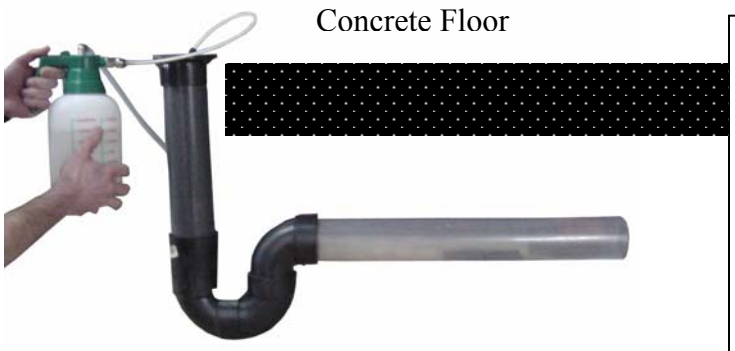
- A regular drain maintenance program using **Bio*Plus*** Microbes and the 360-degree delivery treatment using ***ProFoam*** Platinum will <u>clean the pipes where insect breeding takes place.</u>
- Pipes usually have most of the Organic matter located at the top and the sides of the pipe, this is also where most of the insect breeding takes place. As the foam moves through the pipe **Bio*Plus*** Microbes are delivered to the target area.
- A clean pipe also means fewer odours.



The ***ProFoamer*** Application Equipment will deliver the products to all areas of the pipe. This patent pending system provides the power to treat 5 feet of pipe in just 1 ½ minutes.



Foam Drain Test











Floor drain tests have been completed to record time and volume. The picture shows a standard drain complete with trap. This is a 4-inch diameter pipe with an overall length of 62 inches. From the top of the drain pipe inlet to bottom of the trap is 19 inches.

The **total time** required to have the foam penetrate from the drain inlet (Floor Level) to the end of the pipe was 1 minute and 30 seconds.

The total volume of material used was 20 oz (600 mls) of liquid. Which represents 2.3 gals. (9 litres) of foam. Foam consistency is like shaving cream (dense), providing a 360 degree treatment. As the foam moves down the pipe, surface areas quickly absorb the contents of the container.

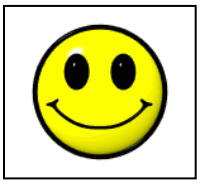
The smaller pipe is 1 ¾ inches in diameter and 8 feet long. This took 30 seconds to treat and used 9 oz (275 Mls) of liquid, which was 4.12 litres of foam.

Note: Some products require the use of more foaming agent to achieve the desired expansion rate. Complete calibration test to ensure compatibility.

Treatment Options with **Bio*Plus***
For Microhabitats

Many areas can support insect populations because of the abundant amount of organic matter to feed on. By introducing a regular sanitation program and **Bio*Plus*** conditions can improve. The areas of harbourage are immense but with the new patent pending system ***ProFoam*** and ***ProFoamer*** they can be treated quickly and easily. The high volume foam output of the ***ProFoamer*** fills voids quickly, placing **Bio*Plus*** on the target. Many of these voids have high humidity and moisture conditions; this is an ideal environment for **Bio*Plus***.

Take a look



Recognize any of these areas



Hollow equipment legs



Low lying equipment and counters that can't be moved





Products





BIO*PLUS*
Foam and Liquid Formulation

"Bio-Bugs" Defined:

The vast majority of bio-products on the market today are comprised of spore forming bacteria, enzymes, surfactants, and sometimes chemicals. After evaluating these types of products one might think that the only reason bacteria are added is so a product can claim that it is a "bio-product".

Bacillus bacteria: Spore forming bacteria or (seeds). This is the most common type of bacteria used in drain line/septic and grease trap products today. The reason for this is simple, COST. Spores care relatively inexpensive to grow and preserve. The draw back with spores is that they are just like seeds. A seed requires optimal environmental conditions in order to germinate. This includes a certain temperature, a narrow pH range, oxygen and proper nutrients. Even if the conditions are favorable the spores will usually take twenty-four hours to germinate before they become fully metabolically active (The point where they are able to eat and consume organic matter.) Usually by this time they are washed through the system. If the conditions are not favorable the spore forming bacteria will *not* germinate and thus will be of little/no use in the degradation process. (The breakdown and consumption of organic matter.) Due to these inefficiencies manufacturers of these products will add enzymes and surfactants.

Here's an example; envision a corn seed; if you set this corn seed down on a table and come back in a week. What happens? It's still a corn seed, no change! In order for this corn seed to become a plant it must first germinate. The same is true with spores and seeds. These types of bacteria require oxygenation, proper pH, temperature, etc., otherwise they simply will not germinate. If they don't germinate they can't degrade (eat) oil & grease & organic matter.

Products



BIO*PLUS*
Foam and Liquid Formulation

"Bio-Bugs" Defined (cont'd)

Enzymes: are usually added to inefficient bio-products to aid in the degradation process. Like spore forming bacteria, enzymes are very pH and temperature specific. Enzymes may partially degrade organic matter, such as liquefying oil and grease. While this may or may not be a critical problem in a drain-line maintenance product, it can be detrimental in an onsite sewage disposal system, be it commercial or residential. Since enzymes only partially degrade organic matter, it usually dislodges the organic matter allowing it to flow further into the system (usually sand) where it can re-suspend and cause additional problems.

Surfactants: Soaps and emulsifiers are usually added for the same reason as enzymes. Surfactants emulsify oil and grease and act as a transporter allowing these organics to flow down through the system similar to enzymes, where it can later re-suspend.

Chemicals: are incorporated into a product because they are fast acting. They are easy to find. They are available in most retail markets such as Wal-Mart, K-mart, Lowes, Home Depot etc.
The problem with these types of products is that they can be dangerous and toxic to humans as well as the environment. They can be corrosive to plumbing. They do not work on build-up further down the line. They can kill any of the native, or natural bacteria that might have been in your waste water system.



BIOPlus
Foam and Liquid Formulation

"Bio-Bugs" Defined (cont'd)

Very few companies who sell and manufacture these types of bio-products are actually biotech companies. The vast majority of these companies are blenders and re-formulators, similar to what you find in the specialty chemical business. Quite possibly this may be another reason for the addition of enzymes and soaps.

Bio*Plus* Microbes: The multi strains of microbes begin to work immediately when introduced into the drain system. There is no germination time required as with spores. The patented microbes can work with or without oxygen. These unique microbes literally eat, consume, and digest oil, grease and organic matter, converting it into Carbon Dioxide and water.

Bio*Plus* Microbes contain no chemicals, no fillers, no soaps, no surfactants, no perfumes, no scents, no enzymes, no emulsifiers, no seeds, no spores, and no pathogens. There is no mixing, no waiting, and best of all no clean up time.

Bio*Plus* Microbes are patented, all natural, live vegetative, environmentally safe, State-of-the-Art, next generation performance based product, ***that really and truly works***. It is simply the right thing to do!