



# The BIO LOGIC SERIES

## Pure Topsoil-Perfect Plant Food!

### Unlocking the Potential of Your Soil

Every soil has the basic ingredients that microbial life needs in order to make the nutrients that your plants demand. So, why doesn't it always seem like your plants are getting what they need, because the microorganisms go dormant under bad conditions. The more you put chemical fertilizer, pesticides, herbicides, and other toxins on your ground, the more dormant that soil becomes. Our products are designed to give these microorganisms everything necessary to wake up, come to life, grow and reproduce. When this happens, soil that has been locked up by toxic chemicals is unlocked. It becomes filled with microorganisms making nutrients for your plants, breaking down debris, and keeping your soil aerated. This is what we call pure topsoil, because it is like perfect food for your plants. This conversion of the soil, as mentioned in an earlier flyer, is the main goal of our program. It provides a sustainable cycle that will keep your plants healthy and your soil clean.



**The organisms in your soil clean it up and convert toxins and other elements into the nutrients that your plants need**

### Keeping it Aerated

With all this activity occurring in your soil you will begin to notice the benefits of better aeration. Not only will the organisms create tiny pathways that provide avenues for water and air, they will also eat up many of the toxins that bind soil particles together. This leads to extended root growth, better water penetration and good aeration between watering. The natural loosening of your soil also saves you money by reducing the need to till. Benefits will be especially noticeable when conditions improve enough that earthworms become active in large numbers.



**Pathways made through the soil, such as this earthworm hole, are very beneficial for water penetration and soil aeration.**

We would like to thank William R. Jackson, PhD (President of Environmental Care & Share, Inc. and supplier of the great products we use) for the educational materials and seminars that have contributed to the creation of these flyers!

Biological Services International, LLC

HC 61 Box 168  
Battle Mt., NV 89820

PHONE:

Kyle: (775) 761-1829

Allen: (775) 761-8542

Nathan: (775) 374-1423

E-MAIL:

info@BiologicalServices.com

Check out our new web site!

www.BiologicalServices.com

Humus

The stubble and cuttings that is left on your fields after harvesting can become a great benefit to your following crops and to your soil. Sometimes these leftovers become a problem, especially when all you harvest is grain seed leaving almost the entire plant in your field, but when there are billions of healthy microorganisms in your soil this stubble and debris is broken down much more rapidly. Then instead of a problem with plants in your way, you have more nutrients readily available in the humus from these plants. Later crops greatly benefit from this humus. This is also a great benefit for lawns because they are cut so often and cuttings are left that can build into an almost impenetrable layer if not taken care of.

Stubble and clippings (like those that build up on lawns) are broken down quickly and benefit your plants



Earthworm castings such as these are the perfect example of the creation of pure topsoil

What We're After

When you combine all the benefits mentioned here, the result is a wonderful layer of topsoil. First, all toxins are cleaned up and other elements in the soil are broken down to provide the proper nutrients for your plants. Second, the soil becomes more loose and aerated due to the unbinding of the soil when chemicals are cleaned up and from the pathways made by the organisms in your soil (including earthworms). And last, the leftover stubble and clippings are broken down into nutritious humus material that following crops can easily take up and use during growth. This pure topsoil is perfect plant food—and this is what we're after!