

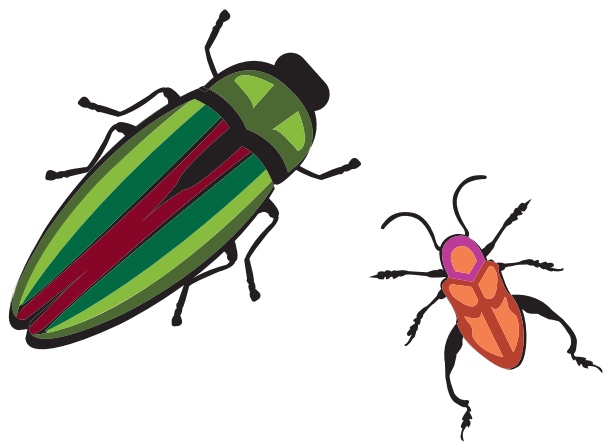


The BIO LOGIC SERIES

Pests and Disease

Purpose

Believe it or not, pests and disease actually have a similar mission to what we are trying to do—restore balance. Unhealthy plants send out ‘signals’ in a sense, saying they are weak and need to be destroyed. Pests pick up on these signals and move in to destroy plants that are out of balance. When your crop is out of balance in this way you may see millions of insects move in to your fields. It’s fairly ironic that the common solution we have for such a problem is to spray more chemicals on our field which throw our soil and crops further out of balance and makes them more susceptible to damage in the future. The real answer is of course to bring your soil and crops back into proper balance. Nutritionally balanced fields have a natural protection against pests and disease. First off they don’t send out the signals that alert pests and disease to come and destroy, and second they resist any pests and disease that do show up so that it doesn’t affect crop performance. The hard part here is holding off on chemical pesticides and fungicides if at all possible in order to obtain the proper balance in your fields more quickly.



Nature’s purpose for pests and disease is to destroy the unhealthy, out of balance plants. To minimize damage, don’t apply chemicals that throw their balance off and lock up the nutrients in the soil that future crops will need.



By giving your crops what they need to be balanced and healthy, you protect them from many of the pests and disease that would otherwise cause damage.

Protection

So how does a healthy plant resist the potential destruction of pests and disease. First off, as already mentioned, the ‘signals’ aren’t sent from these plants to say they are out of balance and need to be destroyed. Another protection is the actual electric energy that a properly balanced plant has. This energy is in effect an ‘electric fence’ for bugs. Even if they land on the plant they can’t hang on and start eating because of this energy. Also, healthy plants can respire and send out sugars or other energy to attract protective microorganisms—unhealthy plants don’t have the energy to do this. If these protective microorganisms can’t be attracted to the plant and roots the plant becomes vulnerable to insects and other harmful organisms, such as some nematodes that will attack and destroy the roots. Healthy plants are much more protected from these kinds of threats.

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!

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Check out our new web site!

www.BiologicalServices.com

The Water Retention Benefit



Another way your plants can be protected from harmful mold and disease is directly related to the benefit our products provide in helping the soil retain moisture better. When the soil is able to hold moisture better, more water can be applied at each watering and there is a longer period of time between watering. This allows plant crowns to dry more thoroughly between waterings and decreases the risk of mold or disease problems originating in the crown. This is a great benefit to many different kinds of crops.

Healthier crops result when no oxygen deficiencies exist during the reproductive stage.



Harmful pests receive 'signals' from **unhealthy, out of balance** plants to come and destroy.



Healthy, balanced crops receive **natural protection** from pests and disease.



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