

Signs that Soil Transformation has Begun!

By Paul Schneider Jr.,
AG-USA

Transforming the soil is key to so many things. Although soil transformation should eventually result in increased yields, what else can be observed?

The following signs that soil transformation is taking place have been reported to us by GroPal Balance customers. Why not go out and see if any or all of the following things are happening in your soil?

1. Improved Soil Test Results

Usually within a few months of using GroPal Balance you will see an increase in soil nutrients. For an example of this, look at the soil tests below.

Note below how trace mineral levels as well as P, K levels improve. Calcium usually improves as well, plus Base Saturation

came into balance! So compare your own before and after soil tests and be amazed at how nutrients are coming into balance.

2. Structuring of the Soil

Wait till the soil is drier, for instance a week or so after a rain, and then turn over a spade of dirt in both the GPB treated and untreated areas.

- Note the ease with which the shovel goes in the treated area.
- Look for the small air pockets, 1/4" to 3/8" in size, in the treated soil.

You can push in a probe and feel as it pushes through air pockets. When you turn over a shovel full of dirt you can see that the soil is crumbly instead of clumpy.

Farmers who till their ground have told us that their plow drops farther into the soil and tractor RPM picks up.

3. Extra moisture

Structured soil allows water to soak in and holds it until it is needed. Many times in a side-by-side test you will see more soil moisture. Extra moisture can keep plants growing while you wait for a rain.

4. More Nutritious Plants

Sometimes nutrient density will show up in a forage sample or through animal preference, and many times in nicer looking coats and stronger hooves. Another sign to look for is a glossier leaf, which is an indication of a healthier plant.

GroPal sea minerals turn plants into something like a super food, for better weight gains and healthier livestock. Numerous farmers have reported that with GroPal Balance, livestock can't keep up with the grass. One reason is that when

grass is more nutritious, animals can eat less and yet gain more.

5. Less weed pressure

Many weeds are there because of problems in the soil. Solving these soil problems can mean less weed pressure.

6. Large fungi networks

Fungi usually thrive in woodlands, but when carbon sequestration is kicked into high gear, the sequestered sugars feed fungi so they can thrive. Look for an abundance of strands of white fungi.

7. Large root structures

One customer said he is now growing 5 pound rutabagas. Look for larger root mass, which increases nutrient uptake.

8. Improved root structure

Not only do customers report huge root structures, but also better rhizomes, bigger

laterals, and an increase of growth in hair roots. Also, GPB is an inoculant, and can produce better nodulation on legumes.

9. More earthworms & dung beetles

As soil health improves, earthworms, dung beetles and other members of a healthy soil food web are able to thrive.

10. Fire ant mounds dying

This is especially for those in the South, where one customer reported that a lot of their fire ant mounds have died. When fungi thrive they break down fire ant eggs.

11. Less insect pressure

Many customers have reported that insect problems have diminished. Many sapping insects target weak plants. Therefore, when plant health improves, it can mean less insect pressure.

12. pH moving to neutral

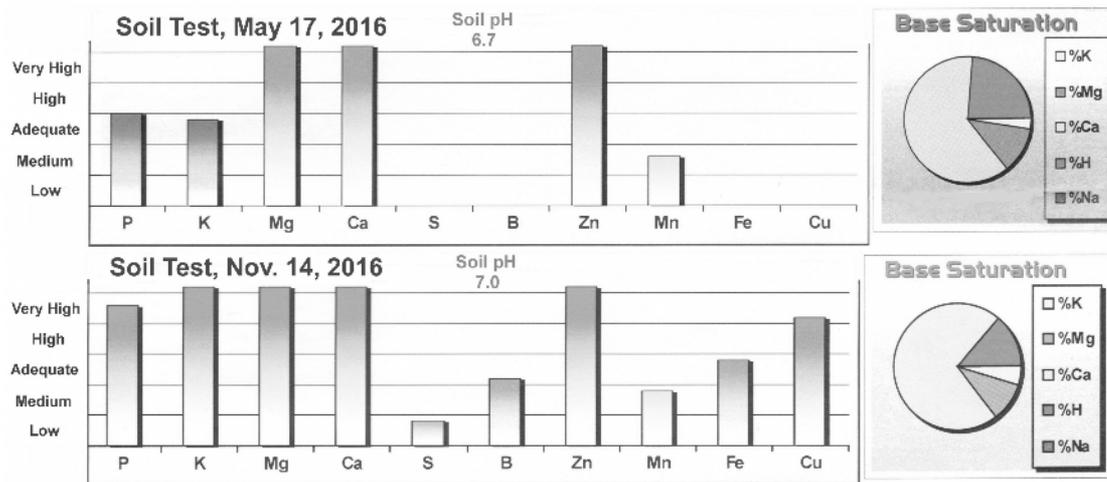
One way to balance pH is by restoring balance to soil nutrients. Within months of applying GroPal Balance, a soil test can show a significant improvement in soil pH, which can result in a huge savings on lime applications.

It usually takes at least a few months for GroPal Balance to produce visible yield increases, especially in pasture. In the meantime, look for the above 12 signs if you would like sweet assurance that soil transformation has begun!

Write us or call 678-378-2911 today and request a free information packet, or learn more at: www.AG-USA.net

Replaces LIME and other fertilizers

The following before and after lab tests show how GPB makes soil nutrients available. Even though nothing else was applied this year but GPB, within only 5 months the NPK and trace minerals had gone way up. The nutrients are already in the soil. GroPal Balance simply helps make them available.



Call AG-USA now at 678-378-2911 for more information, or go to: www.AG-USA.net. Organic, listed with WSDA.

AG-USA, PO Box 73858, Newnan, GA 30271



Conquer Nature by Cooperating with it

