

More moisture means more grass. Period.

By Paul Schneider Jr.,
AG-USA

One of the greatest difficulties in farming is the weather. Many other things can be controlled or remedied, but not hot, cold, wind, rain and hail.

The problem can be especially difficult for the dryland farmer. What do you do when a dry spell comes? Cattle need to eat, and when grass stops growing, hay can be both expensive and hard to find.

After my wife and I had served 14 years in Ghana, Africa as Baptist missionaries, we returned to the States. I needed a job, and my brother invited me to come into the family business. My dad is an animal nutritionist, and Tech Ag tried to help farmers raise healthy livestock by increasing nutrient density in crops.

It was at that time that the problem of not enough moisture became real to me. If a farmer doesn't have moisture, they're not likely to need fertilizers.

A solution for dry spells

Before the flood in Genesis, the Bible says that water came up from the earth and watered the ground. What if we could find a way to replicate this today? We wouldn't be dependent on rain!

Well, how about the next best thing. How about a special type of aerobic bacteria that produced water as a by-product of their respiration? In fact, animals do this when they breathe. We exhale carbon dioxide

and water. That is why our breath is able to fog up our eyeglasses. GroPal Balance has anionically charged bacteria that seem to leave a trail of moisture as they travel through the soil.

Elaine and her husband farm 1,000 acres in southern Georgia and northern Florida. Around the end of June, 2016, Elaine applied a bio-stimulant called GroPal Balance to her pasture and grass hay.

Elaine said that this year has been particularly dry, and in fields all around her the grass is brown and dry. But in her fields the grass is green all the way down to the root, and has continued growing. In fact, while her neighbors are feeding hay, she said that her cattle can't keep up with her grass.

In November, Elaine took soil samples (see results in the ad below). She was a bit surprised to find moisture at 5", and concluded that this was why she still had green grass, and her neighbors did not.

"My grass kept coming on"

Richard in northern Florida had a similar experience. In March of 2015 he applied GroPal Balance to one half of a field.

By May, Richard had seen no changes, and thought that maybe he had bought snake oil. But around the end of July he noticed something a bit strange. While the one side of the field stopped growing, as is usual in the hot, dry summer months in northern

Florida, the GroPal Balance side of the field "kept coming on".

In early winter, Richard invited me to come down and see this for myself. True enough, the GroPal Balance half of the field was a good 18" tall and laying over, while the other half of the field was about 8" tall and more sparse. The root mass was also quite a bit larger.



Another phenomenon that Richard observed was that he had a bunch of earth worms, unlike anything he had ever seen. An agronomist friend of mine in north Florida was surprised, and said, "we don't have earth worms here in North Florida sugar sand".

Just last week a farmer in Nebraska called to place another order for GroPal Balance. In 2015 Mark applied 10 gallons of fish per acre, some biological and some enzymes. In 2016 he broadcast 16 ounces of GroPal Balance, then put another 16 ounces in the row, on the seed. Mark said that 2016 had been a particularly dry year, but thankfully his corn and sunflowers were under irrigation.



By Paul Schneider Jr. of AG-USA

Although in 2016 Mark applied nothing but GroPal Balance, he said his organic blue corn yielded 20% more and his sunflowers yielded 25% more than in 2015. Besides this, he said they had better color and vigor. "They just weren't as vigorous before", he said. His dad commented, "this stuff sure does work"!

Where Mark applied GroPal Balance on his pasture, he said that his Canadian Thistles turned yellow, and his buffalo ate them right down to the soil. He figured that the GroPal Balance made them more palatable.

Larry in Mississippi grows conventional soybeans. He said that his beans had huge root structures. A customer in Michigan noted the same with his 1 acre garden, plus had an amazing mycorrhizal fungi network.

Add to huge root structures a lot more moisture, and you can see why farmers have more grass. More moisture does mean more grass!

Overcoming Compaction

Although for years they had done intensive grazing on their 700 acres of pasture, compaction had become more and more of a problem for Elaine and her husband on their southern Georgia farm. Not only did rain run off instead of soaking in, but their clover was not performing as well.

In July of 2016, Elaine applied a "quart" of GroPal Balance A to most of her pastures. Three weeks later she called me to say that, although it was still very dry, her electric fence stakes were now easily pushing down 2.5 inches.

In September she called again to say that they were pushing down 4". In November she took soil samples, and the probe went down 6" with ease. But she said that the electric fence stakes still didn't want to go in at all in the areas where she didn't apply the GroPal Balance.

GroPal Balance works on all soil types. It highly structures the soil. This allows air to flow down into the soil, so that the 70+ aerobic bacteria in GPB can take their structuring activity deeper and deeper.

GPB contains nitrogen fixing bacteria. As air flows down into the soil, these bacteria convert nitrogen from the air into urea. Other bacteria then continue the conversion process, making the nitrogen available to the plant. For most crops, after the first year there will be more than enough nitrogen in the soil.

Elaine has shared with a few cattlemen in her area what GPB has done for their farm, and already four of them have purchased GPB.

Elaine said that for years, in one end of one of her grass hay fields the grass has been fairly sparse. In November Elaine's son commented to her, "the grass here has become so thick that it is hard to walk through the field". Elaine said that even her husband was excited when he saw that.

Elaine is especially glad that they no longer need to aerate the soil, since that tended to set the grass back. Best of all, her clover is doing much better. Before trying GPB, Elaine told me, "Clover just doesn't do very well in compacted soil".

GroPAL Balance

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GroPAL
The Grower's Best Friend

with  Soil Balance

GroPal Balance is like a center pivot for dryland farmers!

Replaces LIME and other fertilizers

The following before and after lab tests show how GPB makes soil nutrients available. Even though Elaine applied nothing but GPB this year, within only 5 months her NPK and trace minerals had gone way up. The nutrients are already in the soil. GPB simply works to free them up.



Call AG-USA now at 678-378-2911 for more information, or go to: www.AmazingPasture.com/dryland.php

Starting at \$9.99/acre (a \$20 value). Listed with OMRI / WSDA for organic use.

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