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DeltAg Product Brief
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Water Soaked Soybeans

All We Need is Sunlight in a Bottle

24 Oz PercPlus

Water-soaked - Pre-Bloom

32 Oz CropKarb

Water-soaked - Post-Bloom
and/or Yellow Cast across the field.

Wow! What a year. Seems for most parts of the country, we have gone straight from winter to summer with very little spring weather. Then the first couple weeks of June brings a Monsoon Season. We are getting reports from our field staff, dealer reps and farmers of water-soaked fields from Ontario and Ohio to Southern Alabama, Louisiana and Mississippi. Right now we all know the answer to a healthier crop is simple: sunlight, sunlight and more sunlight.

The problem with crop health is not about that which we can see, but more about what is going on underneath, in and around the root system.

When soil becomes completely saturated, there is no oxygen around the root system, and the simple fact is that roots need to breathe to function properly. Without oxygen, the transpiration rate slows down and in the worst case, will stop all together. In the case of legumes like soybeans, even though the crop may have already begun to nodulate and make nitrogen, water saturated soils will stop the nodulation process and the crop no longer has that much needed seedling nitrogen source. If these conditions last long enough, the crop could actually die. If the soil can dry out quickly enough, the crop will recover, but never to its full original potential. Most often, the time period is not long enough for crop death but rather it sets the crop back to the point of reducing yield and delaying maturity.

With soybeans, experience has taught us that if the water gets off the crop quick enough, there are tools available that can help off-set some of the potential damage.

With seedling soybeans that are fully vegetative, **PercPlus** @ 24 Oz/acre can be a huge help in protecting much of that lost yield potential. However, if the crop was already nodulating well and also blooming when the excess water came, **CropKarb** @ 32 Oz/acre is our best option.

For non-legume crops, the addition of 4 to 5 units of liquid urea nitrogen added to this application will help keep the foliage more active and set the crop up for better recovery when conditions do improve.

Finally, if water stays up over the crop for more than 18 hours and then retreats, we do not feel justified in making a recommendation that "might" help improve recovery and yield on less than 30% of the crop.

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