



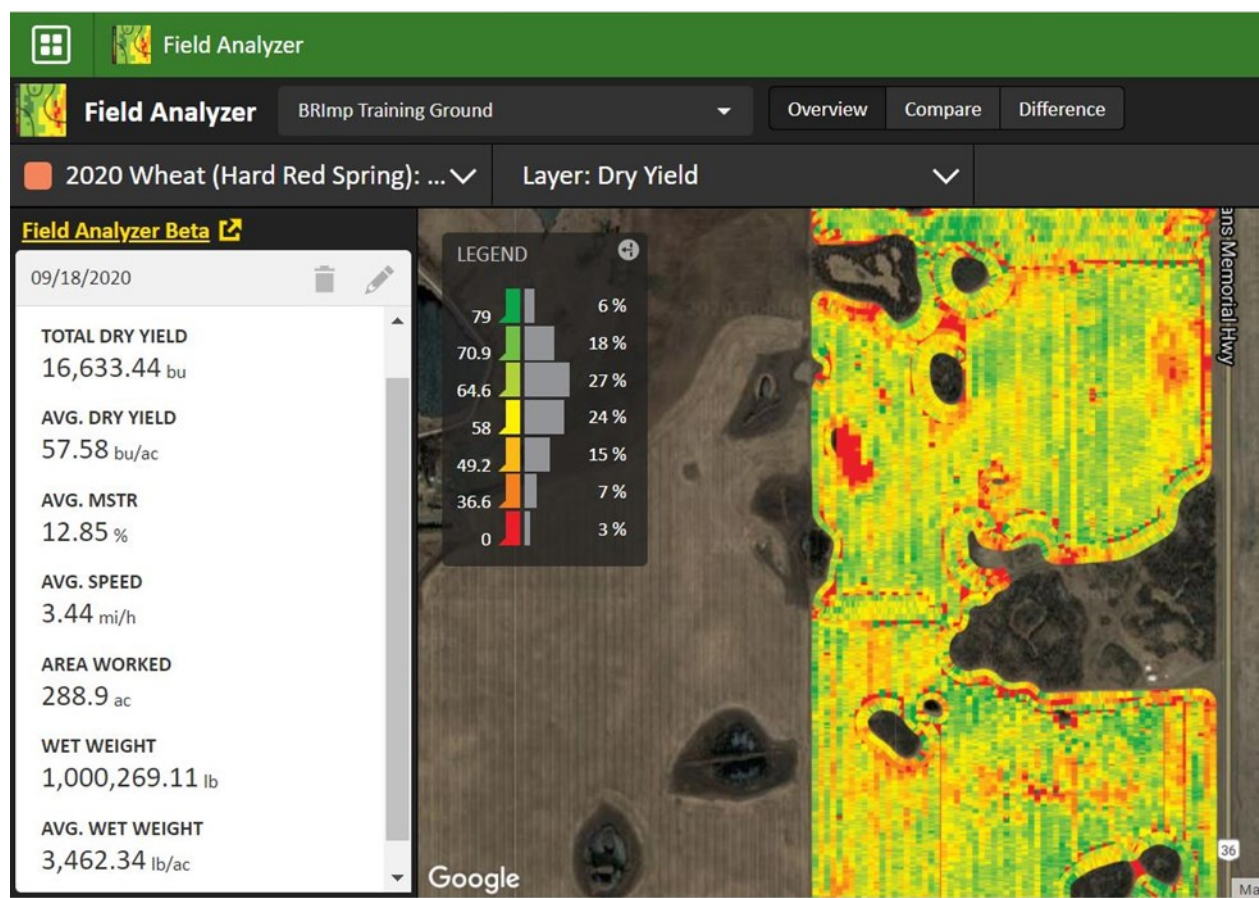
# Agronomy Update

October 2020



## HARVEST DATA

*You've been gathering the data, what else can you learn from it?*



For many years now, we have had the ability to document our crop yields as we harvest; and with some of today's technology such as Active Yield, which provides continuous calibration of the mass flow sensor through load cells installed in the grain tank, yield monitors have never been more accurate or easy to keep calibrated.

## Consider an accurate yield maps your final mark when grading the effectiveness of all the agronomic decisions for the crop year in that field.

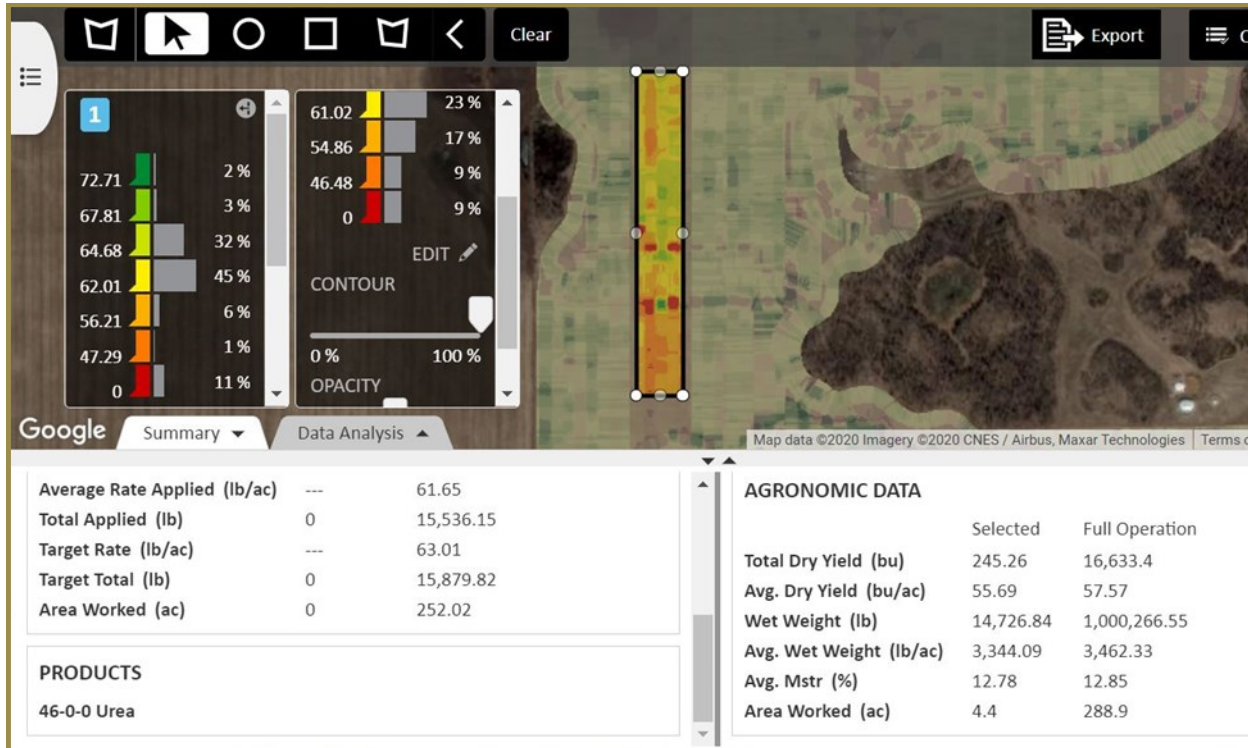
Accurate yield maps are an invaluable tool in helping producers to evaluate their management decisions. Consider them your final mark when grading the effectiveness of all the agronomic decisions for the crop year in that field. With good maps, a farmer can highlight underperforming or loss-making areas and make targeted improvements. He can also evaluate the effectiveness of management practices such as variable rate fertility, or use the maps to evaluate new herbicide, fungicide or seed treatments. These maps are also useful when evaluating and comparing the performance of different varieties.

As an example, the map below shows the impact of top dressing N on wheat in 2020 at the Battle River Training Field. Unfortunately, the field was hailed on prior to harvest, but the image still shows how easy it is to overlay operations on top of the yield map to make quick and easy evaluations of how well they worked, using the **MyJohnDeere Ops Center**. The dark strips on the right side of the map are a reduced rate of 46-0-0 and the long narrow strips on the left are check strips.





Once you have the overlay, it is a simple matter to drill down into any area of the field to compare it to field averages. Here is a portion of one of the check strip compared to the whole field.



Another good reason to keep and use your yield maps is the value of looking at yield across several years. Once you have a data base of several crops on the same field, you can start to see patterns that remain consistent year in and year out, and separate them out from the year to year variations caused by weather. On the images below you can see that even though the field was hailed out in early August, there are still some patterns of yield that remain constant, indicating underlying soil or drainage issues that are affecting every crop.



2020 Hard Red Spring yield vs. 4 year average - MyJohnDeere.com

**MyJohnDeere:**

**Our Precision Ag Team can make it easy to get started. They are only a phone call away.**



For anybody out there that is not currently using MyJohnDeere to store equipment, operation and yield data, I would urge you to give it a look. It's easy to create an account and get started. If you want to have your information transmitted to your account in real time, there is a subscription based wireless data transfer system, but you also have the option of downloading information from your John Deere screen and uploading it to the site directly for no charge. If this seems like a good winter project during these times of social distancing, and you would like some help getting started, give our Precision Ag team a call and they would be happy to give you a hand. You can find their contact information on our website at <https://briltd.com/>. From there, just look for them in Staff Contacts under the "About" tab.



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