

## Objectives

- Demonstrate the capabilities of Pioneer® Field360™ Studio software mapping and data analysis tools using on-farm agronomy trials.
- Contribute to product positioning with the resulting hybrid population and performance data generated.

## Study Description

- Growers with as-planted and as-harvested mapping capabilities collaborated with DuPont Pioneer for this project.
- Strip trials were planted using a split-planter design with two hybrids planted in each pass.
- The first pass was planted at a standard seeding rate for that operation. The second pass was planted at 5,000 seeds/acre above the standard rate.
- As-planted and as-harvested maps were submitted to Pioneer Field360 Studio software for upload and analysis.



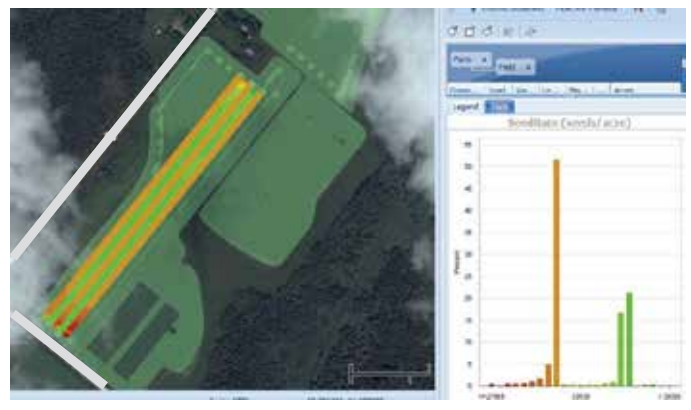
Four trials were planted across SW Ontario.



## Summary



**Figure 1.** Pioneer® Field360™ Studio software hybrid as-planted map.



**Figure 2.** Pioneer® Field360™ Studio software seeding rate map.

- Pioneer Field360 Studio software maps confirm that the planned hybrids were planted using the split-planter design (Figure 1) and that the desired seeding rates were met (Figure 2).
- Yield maps can be overlaid onto these as-planted maps to make management decisions, such as variety selection and hybrid-specific seeding rate recommendations (yield data from 2013 trials were not available at the time of publication).
- Other crop factors, such as soil type, elevation, crop moisture, soil fertility and historical yield results can also be used to make more integrated management decisions and provide a basis for variable rate seeding and fertilizer prescriptions.