

## Driving Decisions Newsletter

Issue 3

December 2021

[Cropintel.ca](https://cropintel.ca)

### Thank You to our Customers!!

As we near the holiday season we would like to take this opportunity to thank our Customers and Crop Intelligence Vendors for their support this year. We ended 2021 with our 3<sup>rd</sup> Annual Crop Intelligence Summit on Nov 30<sup>th</sup> and Dec 1<sup>st</sup> in Regina. By all account the Summit was a success!

If you were unable to attend the Summit in person you can still access content through our Virtual Summit page, <https://summit.cropintel.ca>. Tickets can be purchased, and content will remain up through January. All in person attendees have access to the virtual portal. Access codes were emailed out (check your junk mail). The virtual site is a great opportunity to revisit a presentation or catch one you may have missed!

### Learnings in Chickpeas

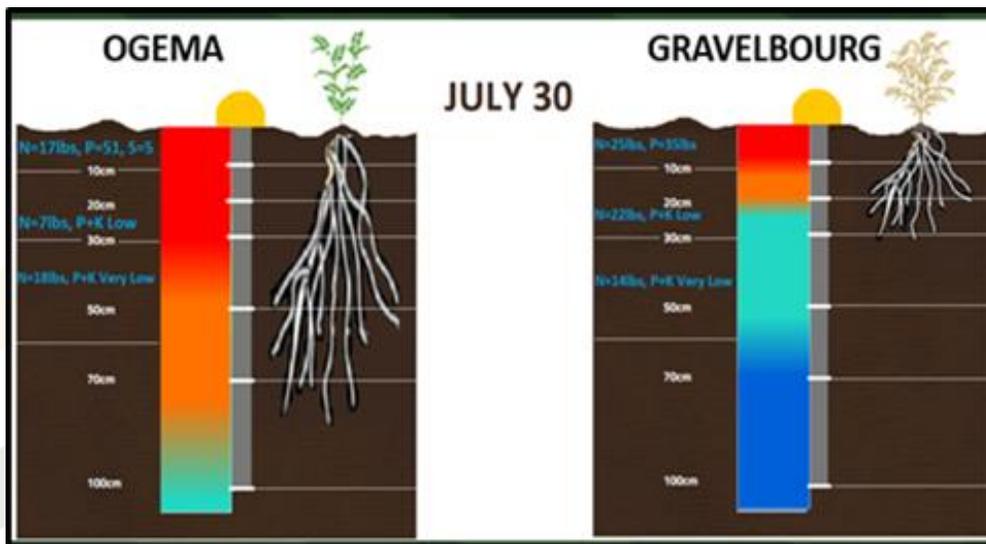
During the 2021 season, Crop Intelligence partnered with the Saskatchewan Pulse Growers to focus on chickpeas and what insights Crop Intelligence and our weathers stations could provide. Our goal was to use the technology's ability to provide near real-time data of soil moisture, and current and cumulative weather conditions to unlock some of the chickpea health mysteries many chickpea growers have been struggling with over the past few years.

Five sites in south-central Saskatchewan were monitored: Gravelbourg, Mossbank, Assiniboia, Coronach and Ogema. These sites were in regions that had previously experienced undiagnosed



chickpea health issues. As the season progressed, some chickpea health issues were noted but overall, not a lot were reported.

What this year did provide was an excellent opportunity to understand the effects of hot and dry conditions on chickpea development and production. Gaining insights into rooting depths, the impact of multiple consecutive hours spent above 28 degree and the amount of crop available water removed from the soil were just a few of the variables that had previously been left to assumptions and guesswork. The conditions from the furthest west site, Gravelbourg, to the furthest east site, Ogema, were significantly different. The picture below displays rooting depth compared to the soil moisture levels being measured with the moisture probe on July 30th:



The Ogema site showed significantly deeper rooting activity and soil moisture uptake than the site at Gravelbourg. These findings left us to question what accounted for the difference in rooting activity and in turn yield.

Vanessa Bell, Crop Intelligence Agronomist and Sarah Anderson, Agronomy Manager at Saskatchewan Pulse Growers presented their finding at the Crop Intelligence Summit on Dec 1<sup>st</sup>. If you would like to access their presentation visit the Summit portal to register.

Have questions, reach out to your Crop Intelligence partner for more information or email us at [info@cropintel.ca](mailto:info@cropintel.ca).