THE OFFERING

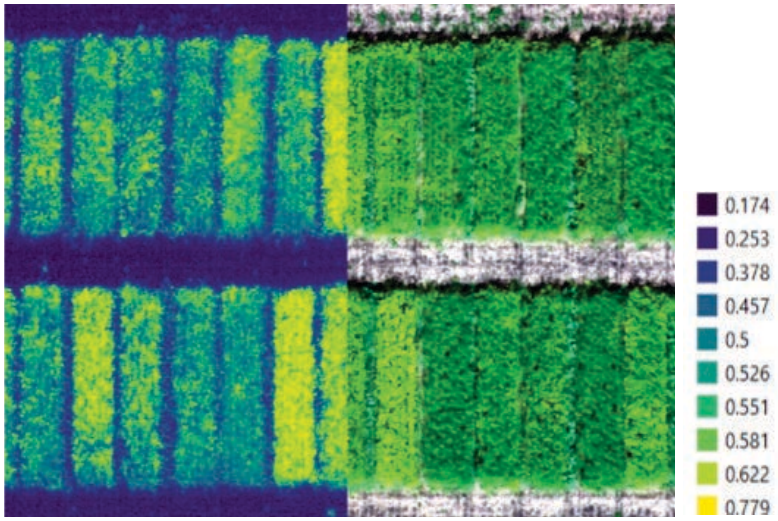
CANOLA FLOWERING PACKAGE

A yellowness index generated from UAV imagery is an effective tool for estimating the progression of canola flowering. Flowering is a critical development stage correlated with days to maturity and final yield. We can estimate the extent and intensity of yellowness by isolating flowers in the imagery.

HOW DOES IT WORK?

You will receive processed reflectance maps, a geospatial overlay of all plot boundaries, and plot-level statistics extracted to CSVs.

	A	B	C	D
1	PLOT_ID	Range	Row	MEAN
2	101	1	1	0.644338513
3	102	1	2	0.628833112
4	103	1	3	0.615040821
5	104	1	4	0.613880361
6	105	1	5	0.559972991
7	106	1	6	0.556792747
8	107	1	7	0.612558339
9	108	1	8	0.672981983
10	109	1	9	0.682316624
11	110	1	10	0.679879883
12	111	1	11	0.728311871



- We will collect multispectral imagery in the red, green, blue, red Edge, and near infrared wavebands

1

- We will process all raw imagery to generate reflectance maps and analyze these using a yellowness index

2

- We will generate plot overlays according to the experimental design and use them to extract yellowness statistics for each plot

3

WHAT ELSE CAN I USE THE DATA FOR?

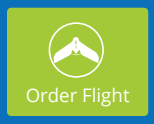
You can use your processed imagery to assess the variability of canola flowering by hybrid. The flowering proxy can be used to model final yield or days to maturity, as well as for assessing variable-rate fungicide applications.

3 EASY STEPS TO ORDER:

1. Log into our order management platform at **soar.deveronuas.com** and create an account or use your existing login credentials.

2. Click 

to import (or create) your field boundary.

3. Click 

and complete the information. Choose **Research-Canola Flowering** as the reason for your order. Based on the estimated plant date, we will determine the most beneficial data collection protocols.

✓ You are done! Our pilots will collect the data. You will be notified once each step is completed. The final product will be available through your SOAR account.

Estimated turnaround time from data capture to deliverable is **3-5 business days,** depending on the complexity of analysis required.

Having trouble? Visit www.deveronuas.com/products for a video tutorial on how to order this product!

Contact Us

Jacob Nederend | Research Agronomist
jnederend@deveronuas.com
519.722.6026

Deveron UAS Corp.,
141 Adelaide St W. Suite 1702,
Toronto, Canada, M5H 3L5