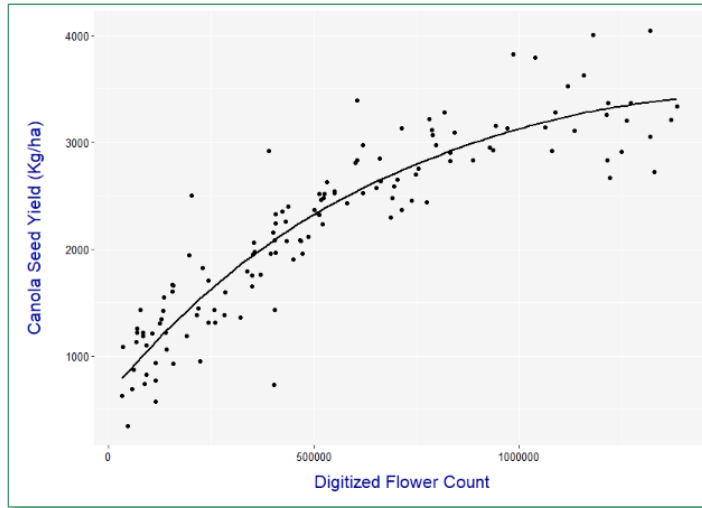


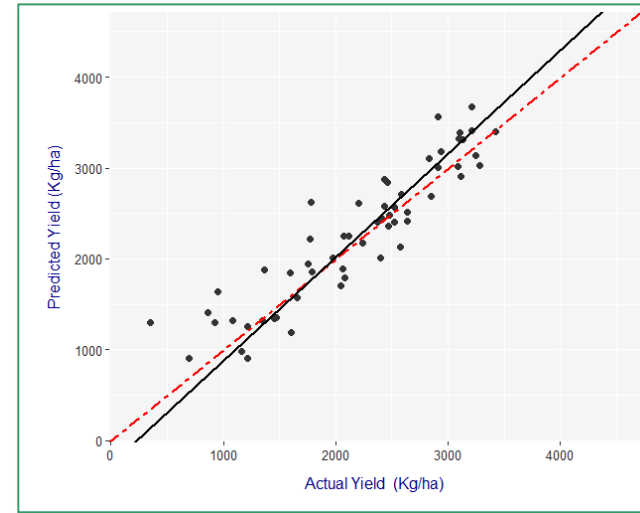


Single canola plot acquired through high resolution RGB-Imagery taken on 12<sup>th</sup> of July

<b>Vegetation Index</b>	<b>Equation</b>
Normalized Difference Yellowness Index (NDYI)	$\frac{(Green - Blue)}{(Green + Blue)}$
Red Blue Normalizing Index (RBNI)	$\frac{(Red - Blue)}{(Red + Blue)}$
Modified Yellowness Index (MYI)	$\frac{(Red \times Green)}{Blue}$
High-resolution Flowering Index (HrFI)	$(Red - Blue) \times (Green - Blue)$
Visible Atmospherically Resistant Index (VARI)	$\frac{(Green - Red)}{(Green + Red - Blue)}$



- Training model developed on 70% of the data
- Non linear relationship between yield and flower area



- Validation on 30% of the data
- Pearson's correlation coefficient **0.91**