TerraVision360 Data Snapshot

What is Terravision 360?

TerraVision360 is a precision agriculture platform that helps farmers and agronomists make timely, data-backed decisions. It pairs hyperlocal weather data from weather station hardware with AI-driven crop models to support weather monitoring, crop staging, and disease and pest risk forecasting.



What we did:

Two TerraVision360 (formally Ukko Agro) weather stations located in Bothwell and Niagara, ON, logged daily weather in 2025 and 2026 grow seasons with the purpose of recording historical data for research purposes and future uses. Below is a summary of the key weather conditions tracked by both stations at our research sites along with the changes in this weather between the 2025 to 2026 grow seasons.

2026 Weather Summary – Monthly averages and totals at IFO research sites

IFO Bothwell

Month	Average Temp. (C)	Average Relative Humidity (%)	Total Rain (mm)
April	9.8	72	112
May	13.1	66	80
June	19.9	70	104
July	22.7	76	38
August	20.9	83	110
September	17.9	82	74
October	12.2	79	77
Grow Season	**16.7**	**75**	**596**

IFO Niagara Vineyard

Month	Average Temp. (C)	Average Relative Humidity (%)	Total Rain (mm)
April	7.9	75	119
May	12.7	68	123
June	19.8	71	131
July	22.8	76	160
August	21.3	81	201
September	18.3	80	21
October	12.8	76	49
Grow Season	**16.5**	**75**	**804**

2026 vs 2025 – What changed from last season at each site?

IFO Bothwell

Month	Average Temp. (C)	Average Relative Humidity (%)	Total Rain (mm)
April	+1.5	+6	+48
May	+0.1	-10	-34
June	-0.9	-4	-1
July	0.0	-2	-47
August	+1.2	+3	+28
September	+7	+7	+20
October	+3	+3	+47
Grow Season	**+0.5**	**0**	**+60**

IFO Niagara Vineyard

Month	Average Temp. (C)	Average Relative Humidity (%)	Total Rain (mm)
April	+1	+8	+17
May	+0.8	-9	-24
June	+0.4	-2	+80
July	-1.1	0	+112
August	+0.1	+5	+200
September	+1.8	+2	-68
October	+0.5	-3	+45
Grow Season	**+0.5**	**0**	**+362**