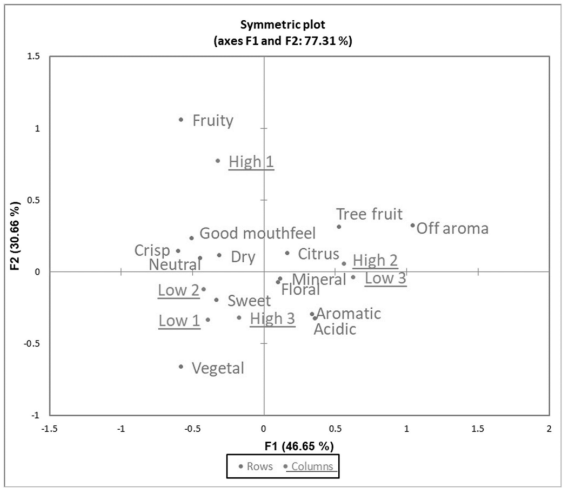
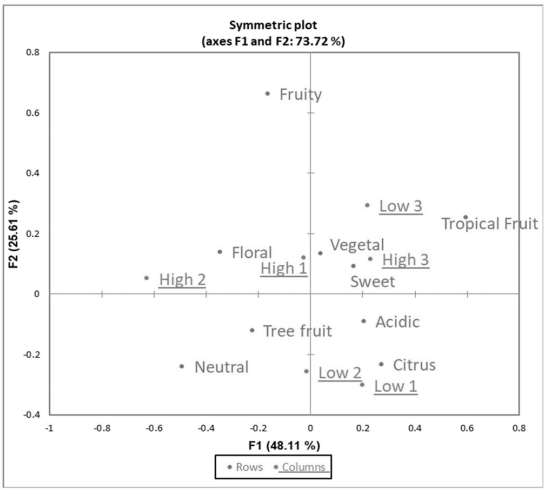
SUPPLEMENTARY DATA
Dorin, B., Reynolds, A., Jollineau, M., Lee, H.-S., & Shemrock, A. (2022). Utilization of unmanned aerial vehicles for zonal winemaking in cool-climate Riesling vineyards. *OENO One, 56*(3).).
https://doi.org/10.20870/oeno-one.2022.56.3.5352

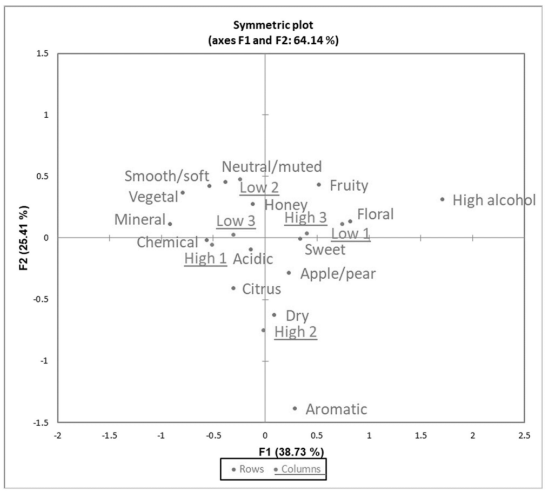
Supplemental Figures and Tables



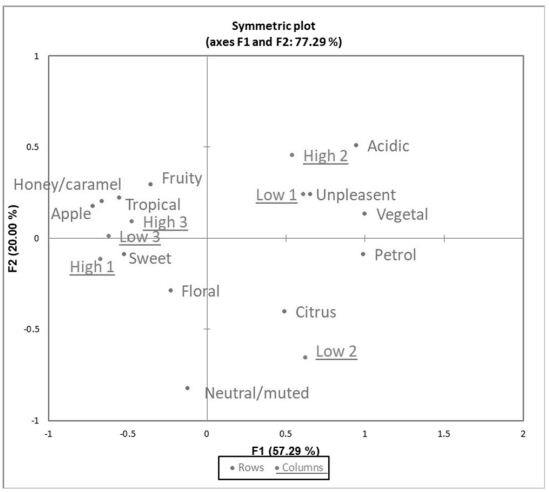
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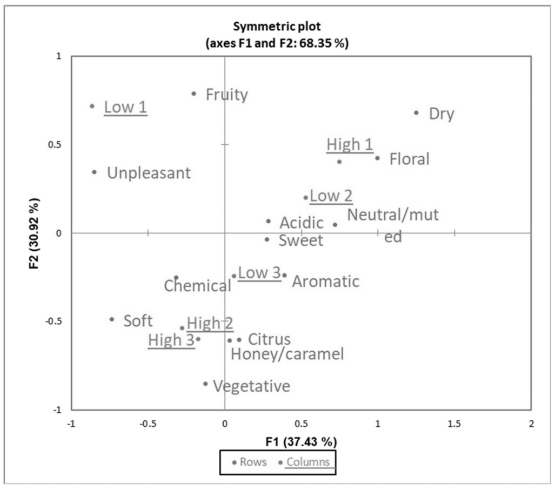
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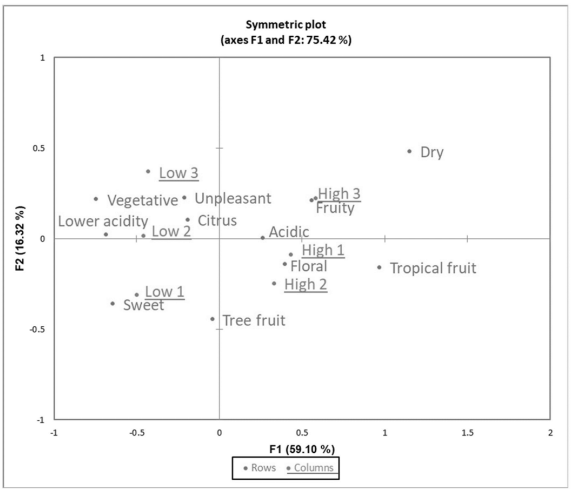
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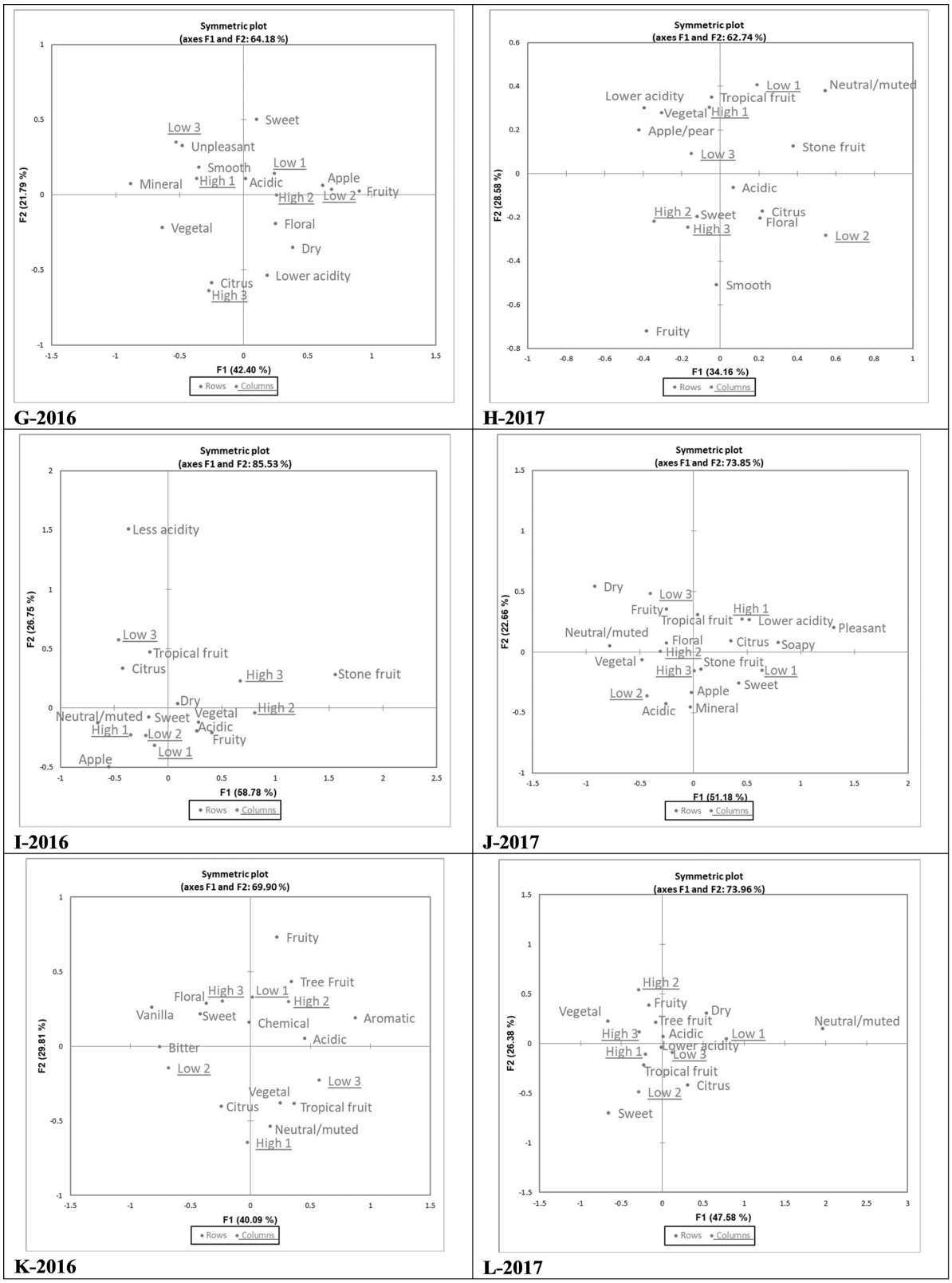


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F-2017

SUPPLEMENTARY DATA
Dorin, B., Reynolds, A., Jollineau, M., Lee, H.-S., & Shemrock, A. (2022). Utilization of unmanned aerial vehicles for zonal winemaking in cool-climate Riesling vineyards. *OENO One, 56*(3).).
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Supplementary Figure 1. Correspondence analysis symmetric plot displaying the wines and their descriptors on a descriptor-based space. Data are from the sensory sorting (n=19) of High vs Low NDVI wines from six Niagara, Ontario Riesling vineyards. High vs Low NDVI vineyard zones were delineated by unmanned aerial vehicle and each zone had three field replicates. From top left to bottom right are; Buis (A, B), Pondview (C, D), Château des Charmes (E, F), George (G, H), Hughes (I, J), Cave Spring (K, L).

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Supplementary Table 1. Site characteristics for six Niagara, Ontario Riesling vineyards.

Sites	Sub-appellation	Block area (ha)	Number of rows	Spacing row x vine (m)	Year of planting
Buis	Niagara Lakeshore	3.39	58	2.5 x 1.5	1996
Pondview	Four Mile Creek	0.87	15	2.5 x 0.9	2008
Château des Charmes	St. David's Bench	1.68	45	2.5 x 0.9	1983
George	Lincoln Lakeshore	1.23	29	2.7 x 1.4	1995
Hughes	Lincoln Lakeshore	1.22	11	2.8 x 1.25	2006
Cave Spring	Beamsville Bench	2.22	87	2.5 x 1.5	1978

Supplementary Table 2. Mean NDVI and standard deviation (SD) of sample vines from High vs Low NDVI zones delineated by unmanned aerial vehicle for six Riesling vineyards in Niagara, ON. Sample vines (n=34-45 per zone, depending on the site) in a grid-pattern were geo-located and NDVI values extracted from UAV imagery. Significant differences in NDVI between High vs Low NDVI zones was determined with a two-sample t-test and resulting p-values are shown in the bottom row.

	Buis		Pondview		Château des Charmes		George		Hughes		Cave Spring	
Zone	NDVI	SD	NDVI	SD	NDVI	SD	NDVI	SD	NDVI	SD	NDVI	SD
High NDVI	0.764	0.021	0.799	0.030	0.509	0.040	0.741	0.024	0.714	0.024	0.651	0.031
Low NDVI	0.700	0.053	0.744	0.040	0.332	0.082	0.675	0.048	0.647	0.032	0.562	0.042
p-value	< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001	