

## Supplemental Material for a manuscript submitted to Agriculture in December 2021

Seasonal changes in phosphorus in soils and vegetation of vegetated filter strips and management implications for reducing phosphorus losses to waterways in cold climate agricultural systems

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**Figure S1:** Snow and ice covered VFS

Examples of a snow and ice covered vegetated filter strips (VFS) at the Morden, Manitoba, Canada, field site at the end of the spring snowmelt season March 2016 (top – VFS2) and April 2018 (bottom – VFS1)).





**Figure S2:** Vegetation quadrat sampling

Top: Image of the sampling quadrat prior to harvesting the vegetation sample (i.e., the “harvestable vegetation”) at VFS1.

Bottom: Image of the vegetation sampling quadrat at VFS1 after sampling the harvestable vegetation that was analysed for Total P.

