

SOUTHBROOK VINEYARDS

Welcome to Southbrook's "Green" Vineyard & Winery—Biodynamic, Organic and LEED Gold Certified.

LEED: LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN GREEN BUILDING RATING SYSTEM™



1. CERTIFIED ORGANIC

We believe in working with nature to create the most delicious wines. We fertilize and protect our vines without the use of synthetic chemicals, conserving the resources we all rely on—soil, water, air, wildlife and our fellow humans.



2. CERTIFIED BIODYNAMIC

Beyond organic, we follow Steiner's philosophy to correct the damage caused by conventional agriculture and regenerate a healthy environment. We believe that enlivening our soils, being in sync with lunar cycles, and pasturing animals on our farm create the healthiest vines and most distinctive wines.

3. SUSTAINABLE VINEYARDS AND WINEMAKING ONTARIO

We had been reluctant to describe ourselves as "sustainable" as the term can be used rather loosely. Now however, we have been audited through the Wine Council of Ontario program, and can proudly claim to be certified for Sustainable Vineyards and Sustainable Winemaking.



4. CONSTANT INNOVATION

Reducing our environmental footprint is an ongoing mission. Spraying biodynamic preparations on three rows at a time reduces energy use and soil compaction. Our sheep convert solar-powered pasture to soil fertility, eliminating our reliance on petroleum-derived fertilizers.



5. CARBON FOOTPRINT

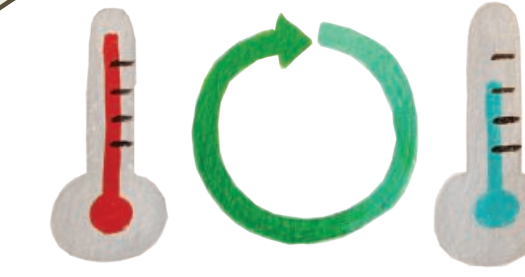
Using Ontario-made, light-weight wine bottles made from recycled glass reduces our carbon footprint and diverts waste from landfill.



6. ENERGY CONSERVATION

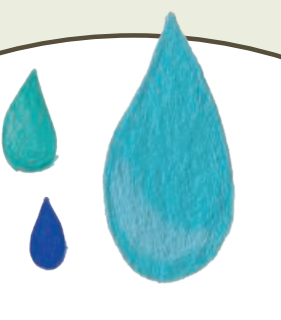
To reduce the amount of energy that goes into the heating and cooling of our building, the walls are highly insulated, the windows are triple-glazed with a low-E coating that keeps summer sunlight out and winter heating in, and there are deep roof overhangs that shade the building.

★ LEED GOLD



7. ENERGY CONSERVATION 2.0

As part of our constant quest for improvement, in 2017 we invested in changes to heating, cooling and ventilation controls and equipment, to further reduce electricity consumption by 38% and natural gas by 41%.



9. WATER MANAGEMENT & CONSERVATION

To minimize water use, there is no irrigation of the landscaping plants outside. Inside the building are automatic faucets, low-flush urinals, and dual-flush toilets.

★ LEED GOLD



10. SUSTAINABLE CONSTRUCTION

15% of our construction material was made from recycled materials, and 20% of the construction material was manufactured within 800 km of the site to minimize transportation costs. Recyclable material from our construction waste was separated and not landfilled, and all excavation soil was re-used on the property instead of being dumped off-site.

★ LEED GOLD



15. FRIENDLY TRANSPORTATION

We have bicycle racks for guests and staff who ride to work.

★ LEED GOLD



14. WETLAND TREATMENT SYSTEM

Because the vineyard is not on the Town's sewage line, our wetland system treats waste water on site and disperses the purified water into the surrounding soil.

★ LEED GOLD



11. WE LOVE WILDLIFE

By protecting 15 acres of forest and naturalized buffer zones on our farm, we support bio-diversity. The berm along our drainage canal provides an essential wildlife corridor.



16. INDOOR HUMAN CARE

To keep people inside the building healthy, all the paints, glues, sealants and composite wood used in construction were low VOC-emitting products. The cleaning products we use are environmentally friendly.

★ LEED GOLD



17. MONARCH BUTTERFLY WAYSTATION

We cultivate milkweed, a beautiful native wildflower that is the only plant where Monarchs lay their eggs, as it is the exclusive food for the larva. According to Guelph U., Milkweed has become scarce as a result of the spread of Round Up-ready, genetically-modified crops.



19. WASPS, SOLITARY & MASON BEES

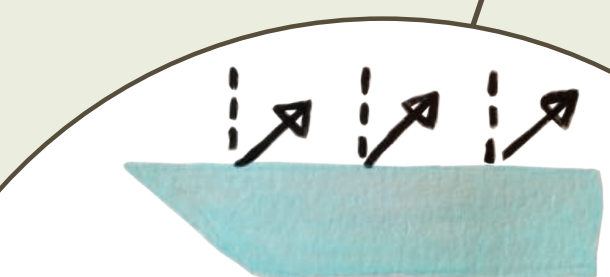
Although they get less attention than non-native honeybees, there are 800 species of bees and related insects in Canada. Our uncultivated areas provide habitat for these crucial pollinators, and we have installed structures that can be used in urban areas.



20. BIO-SWALE

This long drainage ditch is planted with native wetland plants which break down the pollution from the stormwater collected from the access road and parking lots. The water is potable by the time it flows to the municipal drainage ditch.

★ LEED GOLD



18. WHITE REFLECTIVE PVC ROOF

This keeps the building cooler and reduces the "heat island effect" (a problem with normal dark roofs which soak up the sunlight and radiate it back as heat into the air and the building.)

★ LEED GOLD



23. LIGHTING

Floor-to-ceiling glass lets in maximum natural light to the building, reducing the need for electric lighting. Our outdoor lighting shines downwards to limit light pollution.

★ LEED GOLD



22. NATIVE MEADOW

Our long grasses and wildflowers are a crucial part of creating a connected biosphere of plants, birds and insects which contribute to the health of our biodynamic vineyard. Reduced mowing means reduced fossil fuel use and emissions, further reducing our carbon footprint.



21. BENEFITING THE LOCAL ECONOMY

By employing local workers, purchasing local goods and services, and contributing to the provincial coffers, Canadian wineries provide benefits to all our neighbours. On average, a bottle of Canadian wine generates \$36.44 of domestic economic impact, and the Canadian wine and grape industry creates 37,000 jobs.

NIAGARA STONE ROAD

DRIVEWAY

Reflecting Pond

HOSPITALITY PAVILION

Terrace

Bicycle Racks

Parking Lot

Reed Bed