

# OUR *sustainability* INITIATIVES



## ENVIRONMENTAL PROJECTS

- The Pontassieve bottling facility restructured offices for energy efficiency by utilizing thermal insulation, which saves money and decreases carbon footprint.
- At Pontassieve, lights and bottling equipment are turned off during the lunch hour saving approximately 169MWh of electric annually.
- At Pontassieve, a new Membrane Biological Reactor for process water treatment was installed contributing to the absence of suspended solids; best possible removal of any biodegradable COD, BOD and nutrients; and excellent microbiological effluent quality. Ruffino's state of the art water system has generated performance indicators that are outperforming legal requirements by 15 times.
- At Tenute Ruffino, two wetlands have been constructed and an additional is being built in 2018 to improve process water treatment.
- Three sites are using an innovative tool to treat contaminated water from washing operations. The system enhances water evaporation yielding limited amounts of debris sent to a treatment plant.
- In 2017, Ruffino recycled or reused 85% of materials that would have otherwise gone to the landfill.
- 100% of Ruffino's pomace is sent to local distilleries for recycling, thus being diverted from the landfill.
- Elimination of diatomaceous earth for filtration at our wineries has improved worker health and safety and reduced the amount of waste sent to landfills.
- Viticulture sustainability initiatives include precision farming and research on disease-resistant vines.
- Vineyards are managed to minimize the risk of environmental pollution due to improper use of plant protection products and fertilizers.
- Biodiversity across vineyards includes; maintaining a natural balance through boosting the number of pollinating insects and using a special mix of plants that is sown along the edges of vineyards.
- A 'Green Team', comprised of cross-functional department leaders, meets regularly to discuss environmental performance.
- Publicly reports greenhouse gas footprint as part of Constellation Brands' submission to the Carbon Disclosure Project.



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## SOCIAL RESPONSIBILITY + COMMUNITY

- 50% of Ruffino's 'Dry Goods' suppliers have obtained ISO14001 or FSC Certification.
- The winery collaborates with the University of Milan's Department of Agricultural and Environmental Science to develop precision farming methods to improve crop yields, reduce chemical pollution, and provide better information for management decisions.
- The winery collaborates with the University of Florence's' Department of Food Production and Environmental Science for field testing of new natural products to protect against Esca disease.

## CERTIFICATIONS + AWARDS

- International Organization for Standardization-ISO 14001
- 2017 recipient of Constellation Brands' Internal Sustainability Award
- Awarded silver medal in Botanic Research Institution of Texas- Environmental Competition for Excellence in Sustainable Winegrowing (2017)



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Constellation Brands

*a taste of our environmental commitment*