Vineyard & Winemaking Workflow Reporting

SMARTCAT™

Many business decisions can be made from analyzing data collected in the field. SmartCAT and RFID tags maximize visibility into records and allow for quick data collection. The information automatically saves in a cloud database, making it easy to access and manage via phone, tablet and desktop computer. It can then be exported into multiple formats such as JSON, XML, and CSV and imported into existing reporting software. Having the information at your fingertips and being able to sort each step by job traveler helps track grapes from vine to barrel, identify potential issues quicker and meet compliance. Below are examples of types of information that can be collected and tracked during each process.

Vineyard Observation & Harvesting
A vine observation report tracks vines readiness to harvest based on the collected data from the vine. The report includes information such as the varietal, vineyard block, vine condition and stage, applications with amounts, Brix measurement, harvest weight and year planted.

Destemming and Crushing
Destemming and crushing reports track grape weights/volumes based on their varietal and machine used to destem and crush them. The reports include information such as the picking, destemming and crushing dates, machine used and cluster weight/juice volume.

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Fermentation
A fermentation report tracks the fermentation of the juice based on the fermentation tank and yeast strain. The report includes information such as the fermentation start date, tank, grape varietal, yeast strain, temperature and initial volumes. Throughout fermentation, the report also includes different maintenance and monitoring processes, additions with their amounts, bleed loss and volumes.

Cellaring & Blending Cellaring and blending reports track barrels in use throughout the cellaring process with their volumes as they go through topping, blending and stirring processes. The reports include the barrels' size and type, date filled, varietal and any completed maintenance and monitoring processes.

Loss Tracking
A loss tracking report acts as a high level overview to highlight weight and volumes throughout of all the processes. It allows users to view the information at once, then dig deeper into why certain weights and volumes decreased or changed in the individual reports. This report includes cluster, destemming and sorting weights as well as crush and fermentation volumes.

All of the data collected by SmartCAT and RFID tags can be viewed as customizable reports and managed from any device. Analyzing a grape from vine to barrel, or vice versa, is important in order to catch issues in any of the winemaking processes and ensure all weights are meeting compliance.

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