



WILBUR-ELLIS®

**Winery Residue Analysis Program
(Bouldin Island Drift Incident)**

July 9, 2014

Residue Collection Process

- Representative composite leaf and fruit residue samples from vineyards in the drift area are being collected and analyzed for any detectable residue of glyphosate and Imazapyr.
- Adherence to good sampling methodology limiting contamination of the sample.

Drift Residue GPS Cone Mapping

- Residue trials, analysis and results are being mapped to their GPS locations so that we can determine where there may be areas of more concern and areas of no concern.
- As residue results are reported, this map will begin to pinpoint if there are areas and vineyards where more residue analyses are required and other areas where the grapes can be safely utilized.
- We expect that this mapping will result in a geographic cone that defines where the application drifted and where the largest residue level may appear.

Sampling Strategy

- Collect one composite cluster sample for approximately every 20 acres of vineyard
- Collection of composite cluster sample
- Take samples along an imaginary diagonal line extending from one corner of the vineyard to the other corner
- Sample at both ends of the line (corners of field) and in the middle of the line (middle of field)
- In each of these three areas, collect one cluster from each of three randomly-selected vines and place clusters in common sample bag
- Sample clusters from outside and inside of vine canopies
- Seal bag and handle as described in Grape Cluster Sampling Procedures

Grape Cluster Sampling Procedure (General)

- Submit samples not less than 3 weeks prior to anticipated start of harvest
- Wear new, unused plastic/latex gloves for collection of each sample
- Place samples in new, 1 gallon zip lock bag labeled with sample identification. Label bag prior to sample collection.
- Place samples in iced chest immediately after sampling and keep samples in refrigerator prior to shipment to lab. Do not freeze sample unless intended for long term storage.
- Fill out sample submission form
- Ship sample(s) to lab via Next Day, Morning Delivery within 3 days after sampling. Do not ship samples on Fridays. Deliver samples to shipper (UPS, FedEx) late in the day. Place frozen cold pack in package (not ice or dry ice).
- Place copy of sample submission form in package
- Email copy of completed sample submission form to EMA Labs
- Place a copy of sample submission form in Sample Binder maintained at each Wilbur-Ellis branch

Residue Analysis Process

- Multiple California and US based independent residue labs have been examined for process, methods and availability.
- Their process for analyzing Imazapyr (the active ingredient in Polaris SP) is vigorous and validated and the sample turn around time is within the limits that we need for harvest. (*BASF - SOP-PA.0288_E*)
- These independent residue analyses are not intended to replace the normal pesticide residue trials by the winery but are meant to help assure the winery that the grapes in this drift incident are free of Imazapyr residue prior to entering the system.

WECO Recommended Labs

| Lab Name | Email | Phone | *BASF Test | CA Certs | Capacity (days) |
|-------------|--|--------------|------------|----------|-----------------|
| EMA | emalab@emalab.com | 530-666-6890 | Y | Y | 3 – 5 days |
| North Coast | tblasi@northcoastlabs.com | 707-822-4649 | Y | Y | 5 – 10 days |
| Pyxant | N/A | 610-375-3888 | N | Y | Pending |
| Pacific Ag | contactus@pacaglab.com | 503-626-7943 | N | Y | 5 – 10 days |
| PTRL | tarndt@eag.com | 510-964-4882 | Y | N | 5 – 10 days |
| Anresco | info@anresco.com | 415-822-1100 | Y | N | 3 – 10 days |

**BASF - SOP-PA.0288_E*



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