



January 2015

## UPCOMING EVENTS

### NW Horticulture Society Annual Meeting

January 13th - 15th  
Clackamas County Event Center  
Canby, OR

### Nut Growers Society 100th Winter Meeting

January 13th  
La Sells Stewart Center - OSU  
Corvallis, OR

### Oregon Blueberry Conference

January 27th  
Red Lion - Jantzen Beach  
Portland, OR

### Northwest Ag Show

January 27th - 29th  
Portland Expo Center  
Portland, OR

### OVS Winter Nutrition Meeting

February 3rd  
Red Lion - Salem  
Salem, OR

### WAWGG Annual Meeting & Trade Show

February 10th - 13th  
Three Rivers Convention Center  
Kennewick, WA

### ORBC Annual Production Workshop

February 18th  
Wellspring Conference Center  
Woodburn, OR

### Oregon Wine Symposium

February 24th & 25th  
Oregon Convention Center  
Portland, OR

### OVS Grape Growers Meeting

Saturday, March 7th  
McMinnville Community Center  
McMinnville, OR

## Grapevine Pruning and Managing Trunk Diseases

Winter is just a few days away as I write this, and it's time when many are thinking about pruning, in fact some have already started. In a vineyard, pruning really is the start of a new season, and it sets the stage for next years' crop. Evaluating the previous season's growth, either visually, or by taking pruning weights is helpful for determining



the number of buds to leave and general pruning strategy. The more uniform the vineyard block is, the easier it will be to prune, without having to frequently make difficult decisions on individual vines. While a topic for another article, it is worth noting that a uniform vineyard starts with layout of the site, and the many decisions leading up to planting. So, keep in mind your original plan before you lay a pruning shear to the vines.

As we move into pruning season this year, it is important to think about not only what our pruning strategy for vine balance and crop load is, but also preventing pathogens from entering the vine and causing disease issues further down the road. Wood borne pathogens such as Botrosperia Canker, and Eutypa are two common diseases which are often overlooked, but can have serious consequences. We usually don't see symptoms of these diseases until vines are mature, so we often don't think about the consequences of not addressing how to manage them when dealing with younger vines.

Both Eutypa, and "Bot Canker" are present in the vineyard environment, and are fungal diseases which can enter through pruning cuts. Rain causes a release of ascospores from perithecia and these spores will infect the plant. Delaying pruning until late in the dormant period can reduce the chance of infection since the vines are not exposed for as long a period. Also in the late spring, sap flow begins, and the "bleeding" which occurs at the pruning cuts helps wash away any spores which may land on the cuts. Delayed pruning is not practical for many growers as pruning takes most of the winter to accomplish and cannot be left until the last minute.

[Read more...](#)

## OVS Launches New and Improved Website



After months of anticipation we hit the "go live" button on our new website last month! What's new? An easy-to-navigate design, access to updated products and services, seasonal specials, MSDS & Label research capabilities, a new WxCafe™ website and more.

**Check us out at [www.ovs.com](http://www.ovs.com)!**



# OVS Salem OPEN - Friday, January 2nd!

With all the new and expanded acreage of specialty crops that OVS serves increasing in the Willamette Valley, we are pleased to announce that OVS has added another distribution outlet warehouse in Salem, Oregon. This warehouse model has served our growers well in southern Oregon and eastern Oregon, and we are confident that this additional convenient location will prove to be a great resource for our customers.

The warehouse will stock many of the frequently needed items used during the growing season. Common items available will be a variety of trellis supplies, OVS specialty fertilizers, pesticides and fungicides, etc.. Other convenient items will be a modest selection of pruning and spray protection supplies. The full offering of items that OVS supports will still be available through our main retail store in McMinnville, Oregon.

As with our other regional warehouse locations, OVS Salem will be a staffed location; however may periodically close for deliveries. When in doubt, please call ahead to confirm that a member of our team will be available to take care of your needs. As a general rule of thumb, the warehouse will be open Monday through Friday 8am to 5pm; and also by appointment on other days and times that may better serve our customer's needs. We plan to offer regular delivery service from this new warehouse to select local areas. Stay tuned for more information.

The Salem warehouse is located at 3526 Brooks Ave, Salem, Oregon and will be open for business on Friday, January 2nd, 2015. You can place your orders directly with one of our associates, or through our main store in McMinnville. 800-653-2216.



## Directions to OVS Salem

Take I-5 Exit 260A (OR 99E Bus S/Salem Expressway in Keizer. Follow OR 99E Bus S to Mainline Dr, NE (1.7 miles, TURN LEFT)  
3526 Brooks Ave. NE is on the right

## OVS Service Department

### Annual L.I.V.E. Sprayer Inspection Program

*Avoid costly downtime by insuring your sprayer is properly maintained and calibrated. Our skilled technicians will clean and test your sprayer to meet L.I.V.E. compliance criteria and advise you of any repair recommendations.*

**\$375**  
**Inspection Special**



Includes the following:

- Testing sprayer operation
- Pump inspection
- Cleaning of nozzles and strainers
- Complete sprayer checkover
- Detailed list of repairs

**Pickup & Delivery Services Available  
for a Reasonable Price**

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There are fungicides registered to control both Eutypa and Bot Canker, namely myclobutinol (Rally), and thiophanate methyl (Topsin M). Application methods vary from application with back pack sprayers to using an airblast sprayer. Typically to be effective, the fungicides need to be applied 2-3 times in the dormant season. OVS now carries a very effective alternative by the name of Vitiseal. Vitiseal is considered a pruning sealer, not a fungicide, and contains no toxic chemicals. It is a polymer based sealer which contains a proprietary blend of essential oils. With one application it will seal the pruning cut, and provide protection from entry of the spores. UC Davis rates it 4/4 as a control for Eutypa.

Vitiseal comes in 2 formulations, a concentrate, and a diluted RTU formulation. Both can be applied in a number of ways. The concentrate can be daubed onto the open wounds to provide a very effective barrier, or it can be diluted in a 1-10 ratio, and sprayed on the cuts. The diluted material can be applied with a small aerosol sprayer, or a backpack sprayer, or can be brushed on. It can be applied by a vineyard sprayer as well, and directed at the portion of the vine where pruning cuts are made.

Contact an OVS Ag Supplies for more information about Vitiseal, and our lineup of high quality pruning tools.

*Jon Meadors, OVS Agronomics - Southern Oregon*

## EQUIPMENT CORNER

## Tier 4 Emissions (Part 2)



### Rinieri CRV Vineyard Hedger

The CRV series is characterized by innovative cutting bars with stainless steel blades. The use of lightweight aluminum pulleys

and toothed belts has greatly reduced the weight of the bars and improved performance. The maximum speed is now more than 10mph without compromising cut quality. The bars include independent safety devices and construction is extremely robust. Models are available in several styles with cutting lengths ranging from 41" - 69".

**Model 6CRV-152 - \$11,900 plus mounting**



### Rinieri DRF Vineyard Deleafer

The new double barrel leaf remover (DRF) with turning frame and electro-hydraulic controls is the answer to the

needs of today's modern vineyard. The machine removes leaves from the grape zone, increasing maturation and aeration as well as reducing spraying. Consisting of two opposite rollers, one with holes and the other with rubber, the deleafer allows for perfect and safe removal of the leaves without damaging grapes. A stainless steel protection shield steel follows the vines walls, further increasing grape protection. The DRF can be mounted on a B1 standard frame or turning frame, allowing defoliation only to the side not exposed to the sun without losing any time for the ride back.

**Model 6DRF661 - \$21,700 plus mounting**

In our November Outlook we talked about how the new emission regulations require that an in-line exhaust filter be added to remove the particulates (soot) that a diesel engine emits, and also how to operate that system. This month I would like to conclude the topic with the other half of the emissions equation, which is the addition of Diesel Exhaust Fluid (DEF fluid) in 2015 to all 75hp engines and above. Adding DEF fluid will control the nitrogen oxide gasses (NOx) that a diesel engine produces.

Until now we have been under interim tier-4 regulations. This required that the manufacturer control either the soot or the NOx gases that a diesel engine produces. Most manufacturers chose to control the soot by incorporating the exhaust filters first. There were several reasons for this, not the least of which was that DEF fluid adds a third fluid requirement to operate an engine, and also the associated costs of that fluid to the day to day expenses of a business.

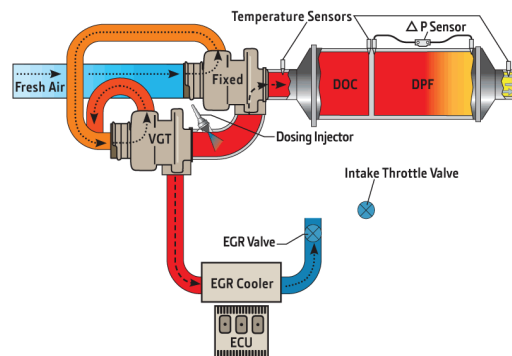
To give you a little more background on the subject, you must realize that the control of soot and NOx gasses in a diesel engine oppose one another. Soots are higher when diesel is running cold. This is because the combustion temperatures are down and it's harder to get a complete burn of the diesel fuel at lower temperatures. Counter to that is the fact that when combustion temperatures are up, the engine produces more NOx. Needless to say that getting an engine to run under these requirements and to run to our expectations takes a blend of many different requirements, and a lot of sensors and computer power to make it all happen.

As many of you know DEF fluid is basically Ammonia Nitrate blended with water at a specific rate. This is injected into the exhaust system at a variable rate where it mixes in a catalytic converter with the NOx gasses which turns them into water and (if I remember correctly) carbon dioxide. The biggest question I get asked about DEF fluid is "How much am I going to burn?". The answer will depend on how you are running your engine. As I mentioned, higher combustion temperatures produce more NOx which will require more DEF fluid, so the harder an engine is working the more DEF fluid it will tend to go through. One thing I can say from experience though, is that the manufacturer's estimates are generally low compared to real-world operation.

Needless to say that all of this added technology is expensive to develop, expensive to register and test with the government, and brings about a fair amount of added complexity to equipment. Unlike auto manufacturers, where these expenses can be spread over hundreds of thousands of vehicles, off-road vehicle manufacturers have the same development costs but can only spread those costs over perhaps hundreds of vehicles. As I mentioned last month as an example, our Weiss/McNair sweepers are jumping up \$10,000 for a \$44,000 machine. I believe that as this reality sets in with the market place you will see fewer choices in diesel engines, and you will probably see more equipment switching to gas fuel in order to avoid the higher costs of diesel power.

If you have any questions please feel free to ask us. If we don't know the answer, we'll know where to find it!

*Dennis Bernards, OVS Equipment Sales*



## OVS Equipment Sales - Still at OVS Aurora!

With all the news about OVS Aurora Ag Supplies moving to our new OVS Salem Distribution Warehouse location, you may be wondering what's happening to the equipment side of the house. No need to worry, OVS Aurora Equipment Sales, Service and Parts Departments will still be servicing your needs from their current Aurora/Hubbard location.

**Call Us Today! 971-216-0111 - 800-653-2216**