

Wine-Grower-News #314

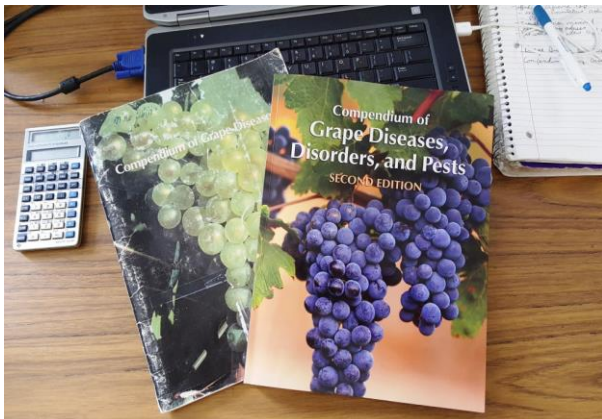
9-4-15

Midwest Grape & Wine Industry Institute: <http://www.extension.iastate.edu/Wine>

Information in this issue includes:

“New” Grape Disease, Disorders, and Pests Compendium Available
Late Season Foliar Powdery Mildew
Aprovia – New Grape Fungicide from Syngenta
Michigan Looking for New Executive Director
\$ Value of Grapes in a 750 ml Bottle of Wine
WSU Online Vineyard & Enology Certificate Programs
Buy & Sell Grapes – Free IWGA Classifieds
9-12 UMN Grape Breeding & Enology Project Open House – MN
9-12 Wisconsin Table Grape Flavor Evaluations & Vineyard Walk
10-(5-9), VESTA Wine Workshop Week – Bryan, TX
11-(13 & 14), Beginner Intro to Mead Making – UC Davis
of Clusters x Cluster Wt. x lbs. Per Vine
Videos of Interest Show n Tell Marketing Tidbits Neeto Keeno
Notable Quotables Articles of Interest Calendar of Events
9-4-15 NOAA National Weather Service Year to Date % of Normal Rainfall

“New” Grape Disease, Disorders, and Pests Compendium Available



(Above) L-R Old vs. New Edition

First, I want to thank [Wayne F. Wilcox](#) at Cornell University, [Walter D. Gubler](#) at UC Davis and [Jerry K. Uyemoto](#), ARS – UC Davis (retired) for their leadership in editing the 2nd Edition of the *Compendium of Grape Diseases, Disorders, and Pests*. I promptly received my copy two days ago after ordering it Online.

My old 1988 edition (93 pages) was well worn and needed replaced. The new edition (232 pages) has much more information, updated information and plenty of great color photographs. My old edition cost me \$48

with postage in the year 2000. This new edition cost me \$120.60 with postage. Well worth the price! With contributions by 79 authors and co-authors from 10 countries, this new edition is a collaborative effort with a world-wide focus. No other reference—online, printed, or factsheet collection – offers the breadth of coverage and pictures that facilitate diagnosis and treatment of the numerous maladies – disease, physiological, insect-related, or genetic – that appear in vineyards.

The ***Compendium of Grape Diseases, Disorders, and Pests***, second edition is available online at APS Press here: <http://www.apsnet.org/apsstore/shopapspress/Pages/44792.aspx>

Late Season Foliar Powdery Mildew

Late season foliar Powdery Mildew (AKA Oidium) *Erysiphe necator* (AKA *Uncinula necator*) often shows up in late August and September in dryer areas of the state. Powdery Mildew does not like wet conditions but does like higher humidity, 85% RH being ideal. Powdery Mildew does not do well in direct sunshine (ultraviolet light) or temperatures above 95°F. Temperatures in the 74°F - 86°F range are ideal for its growth and development. Northwest and Northeast Iowa are much drier than other parts of the state this season creating a perfect scenario for foliar Powdery Mildew to flourish.

With our harvest season in progress, yield loss is not a real concern with late season Powdery Mildew showing up on the leaves. In August and September, the fungus switches to producing overwintering structures called cleistothecia that will increase the level of initial infection next season.

Powdery Mildew can infect all green grape tissues and there are quite a few very good preventative fungicides on the market. Once the fungus has established on the plant tissue, a method of eradication is needed. Powdery Mildew is unique in that unlike all other fungal pathogens of grapes, its body (thallus) lies almost entirely on the surface of infected tissues. This feature renders fungal colonies very susceptible to topical eradicants like JMS Stylet Oil, Potassium Salts, Hydrogen Peroxide or Sulfur. Note not to use sulfur on sulfur sensitive grape varieties.



(Above) Powdery Mildew on top surface of grape leaf. Powdery Mildew sometimes can also be found on the lower leaf surface.

So, what to do? You probably should consider spraying an eradicant if you are in one of the dryer portions of the state and Powdery Mildew has a significant presence in your vineyard. Excellent vine coverage will be needed so you should up your spray volume to (50-100 gal./ac.) and spray down every row.

Additional Resources:

- a. [Late Season Control of Powdery Mildew in Grapes: focus on inoculum management](#) , Michigan State University
- b. *Grapevine Powdery Mildew*, Washington State University:
<http://wine.wsu.edu/research-extension/files/2011/02/2012-EastPMWhitePaper.pdf>

c. *Powdery Mildew of Grapes*, eXtension:

<http://www.extension.org/pages/31529/powdery-mildew-of-grapes>

Powdery Mildew: The fungus was first described in eastern North America, the region to which it appears to be native, in 1834 by Schweinitz as *Erysiphe necator*, and this taxonomic name has been readopted. Although *Uncinula neacator* (Shaw.) Burr, is encountered more commonly in the literature published between 1900 and 2005.

Aprovia – New Grape Fungicide from Syngenta

Syngenta announced on 9-2-15 that they had just received EPA registration for Solatenol (labeled as Aprovia for grapes, apples & pears). It will be pending approval registration in the individual states. According to Syngenta, Aprovia will provide excellent protection against Powdery Mildew in grapes. It is considered a Succinate Dehydrogenase Inhibitor (SDHI) class of fungicide. Aprovia enters the plant quickly via translaminar movement providing quick preventative and rainfast qualities. It is not a systemic fungicide.

Aprovia would be a good option to consider in a fungicide resistance management program.

As of this writing, I was not able to find a label on the [Syngenta](#) or [CDMS Label](#) website.

Additional Resources:

- a. [Solatenol™ fungicide: The latest chemistry from the Syngenta pipeline](#), 6-19-14 Syngenta
- b. [Syngenta Receives EPA Registration for Solatenol Fungicide](#), 9-1-15 Growing Produce
- c. [Aprovia Video](#), Syngenta:

Michigan Looking for New Executive Director

Linda Jones has announced her plans to retire in early 2016. The Michigan Department of Agriculture & Rural Development will be accepting applications for her replacement through the [Michigan Civil Service Commission website](#) until September 25th.



Contact: [Michigan Grape & Wine Industry Council](#)

Ph: 517-284-5733 or mda-michigan-wines@michigan.gov

Buy & Sell Grapes on the Iowa Wine Growers Association's FREE Grape Exchange WWW site here:
<http://iowawinegrowers.org/category/classifieds/>

\$ Value of Grapes in a 750 ml Bottle of Wine

\$Ton	130 gal./ton	140 gal./ton	150 gal./ton	160 gal./ton
\$ 800	\$1.23	\$1.14	\$1.07	\$1.00
\$ 900	\$1.38	\$1.29	\$1.23	\$1.13
\$1,000	\$1.54	\$1.42	\$1.33	\$1.25
\$1,100	\$1.69	\$1.57	\$1.47	\$1.38
\$1,200	\$1.85	\$1.71	\$1.60	\$1.50
\$1,300	\$2.00	\$1.86	\$1.73	\$1.63
\$1,400	\$2.15	\$2.00	\$1.87	\$1.75
\$1,500	\$2.31	\$2.14	\$2.00	\$1.88
\$1,600	\$2.46	\$2.29	\$2.13	\$2.00
\$1,700	\$2.61	\$2.42	\$2.27	\$2.13
\$1,800	\$2.77	\$2.57	\$2.40	\$2.25
\$1,900	\$2.92	\$2.71	\$2.53	\$2.38
\$2,000	\$3.08	\$2.86	\$2.67	\$2.50

WSU Online Vineyard & Enology Certificate Programs

These 1.5-year-long online Washington State University Viticulture and Enology Certificate Programs are professional, non-credit programs offered through WSU Extension. They are open to anyone who is seriously interested in working in the wine industry – growing grapes and/or commercial winemaking. The program is science-based, and college chemistry and biology courses are strongly recommended. Participants in the Enology certificate are required to write a business plan for a winery.

WSU Vineyard & Enology Certificate Program Brochure:
<http://wine.wsu.edu/education/files/2010/05/VECcert-prog3.pdf>

Details [HERE](#)

Midwest Grape & Wine Industry Institute Updates:
<http://www.extension.iastate.edu/wine/content/institute-updates>

9-12 UMN Grape Breeding & Enology Project Open House - MN

What: Open house hosted by the University of Minnesota Grape Breeding and Enology project. This event will feature informal demonstrations of trellis systems used in Minnesota, first year vine maintenance, a refresher on grape pests and diseases, and sampling the diversity of grape varieties and breeding lines in development. This will also be an opportunity to meet the new project leader [Dr. Matthew Clark](#).

When: 10 a.m. to Noon, Saturday, September 12, 2015

Where: [UMN Horticultural Research Center](#), 600 Arboretum Blvd., Chaska, MN 55318.

Cost: FREE

Wisconsin Table Grape Flavor Evaluations



Saturday, September 12, 2015
Noon - 2 pm
West Madison Agricultural Research Station
8502 Mineral Point Rd, Verona, WI 53593

Contact: Janet Hedtcke, janet.hedtcke@wisc.edu

10-(5-9), VESTA WINE WORKSHOP WEEK – Bryan, TX

When: 8am-5pm, Tuesday – Friday, October 5-9, 2015

Where: [Messina Hof Winery](#), Bryan, TX

What: Tuesday – Wednesday, VESTA Sensory Evaluation Two-Day Workshop. (Tues. – white wines, Wed. – red wines)
Thursday – Friday, VESTA Wine and Must Analysis Two-Day Workshop



<http://www.vesta-usa.org>

Who: ► [Melba Allen, VESTA Instructor](#), Director of Operations and Head Sommelier at [Flat Creek Enoteca](#) will be teaching the Sensory Evaluation workshop.
► [Dr. Barry Gump](#), VESTA Instructor, Prof. Emeritus Fresno State University, and Brewing Prof. Florida International University will be teaching the Wine and Must Analysis workshop.

Cost: \$150 for a two-day workshop, \$250 for both days. \$150 for entire two-day Wine & Must Analysis. \$400 for all four days.

Register for Wine Sensory:

<http://vesta-usa.org/Events/Wine-Sensory-Analysis-Workshop-TX2>

Register for Wine Chemistry:

<http://vesta-usa.org/Events/Wine-Chemistry-Workshop-TX>

Questions or RSVP: VESTA Rep Scott Kohl at 785-456-6006 or skohl@highlandcc.edu

1798 - John Dufour establishes America's first commercial winery, aptly named "First Vineyard," on the banks of the Kentucky River in what is now Nicholasville. The vineyard will succumb to frost and be abandoned by 1809.

From: <http://www.kywineandvine.com/history.htm>

11-(13 & 14), Beginner Intro to Mead Making – UC Davis

When: Friday & Saturday, November 13 & 14, 2015

Where: Honey & Pollination Center – UC Davis



Cost: \$500 prior to September 15th, \$575 afterwards.

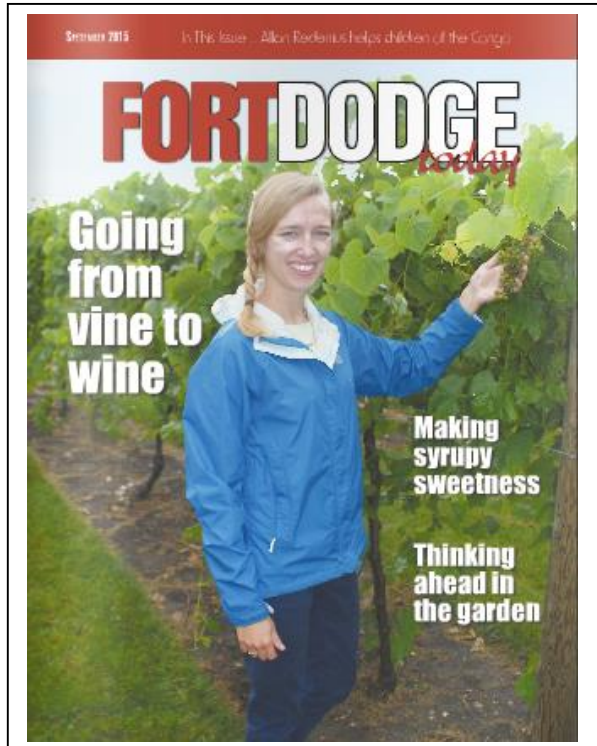
Details & Registration: <https://registration.ucdavis.edu/Item/Details/170>

Cluster Wt.		Clusters Needed / Plant For:				
Lbs.	5 lbs.	10 lbs.	15 lbs.	20 lbs.	25 lbs.	
0.1	50	100	150	200	250	
0.15	33.3	66.7	100	133.3	166.7	
0.2	25	50	75	100	125	
0.25	20	40	60	80	100	
0.3	16.7	33.3	50	66.7	83.3	
0.35	14.3	28.6	42.9	57.1	71.42	
0.4	12.5	25	37.5	50	62.5	
0.45	11.1	22.2	33.3	44.4	55.6	
0.5	10	20	30	40	50	
0.55	9.1	18.2	27.3	36.4	45.5	
0.6	8.3	16.7	25	33.3	41.7	
0.65	7.7	15.4	23.1	30.8	38.5	
0.7	7.1	14.3	21.4	28.6	35.7	
0.75	6.7	13.3	20	26.7	33.3	
0.8	6.3	12.5	18.8	25	31.3	
0.85	5.9	11.8	17.6	23.5	29.4	
0.9	5.5	11.1	16.7	22.2	27.8	
0.95	5.3	10.5	15.8	21.1	26.3	
1	5	10	15	20	25	

Videos of Interest

1. [How Petioles are Analyzed](#), 1-10-14 Cornell Finger Lakes Program, Cornell Univ. 2:56 min.
2. 8-31-15 KCWI 23 TV Great Day interview with Dallas Clark and Steve Larson of Train Wreck Winery at Algona, Iowa 9:58 min.: Find it here: <http://www.kcwi23.com/great-day-show/>

Show n Tell

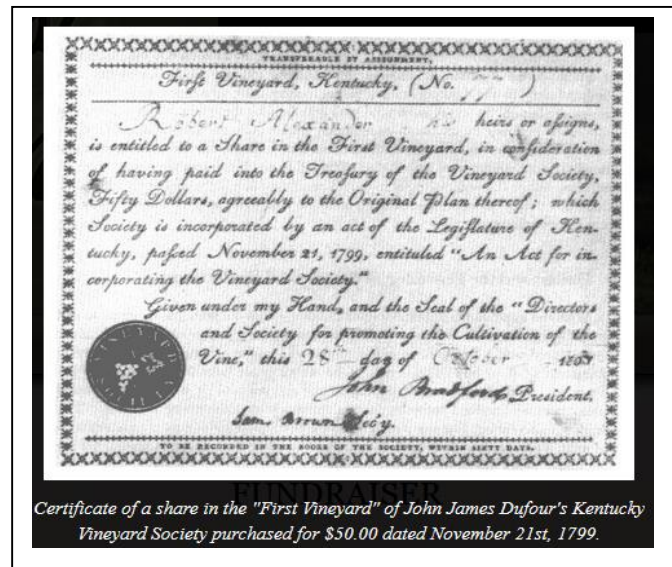


(Right) Stock Certificate from first commercial winery in the U.S. From: [Kentucky: The first commercial winery in the U.S.](#) 9-3-15 Napa Valley Register

(Left) Anne Zwink, winemaker at [Soldier Creek Winery](#) makes front page of the September 2015 Fort Dodge Today magazine.

Check it out here:

http://issuu.com/messengernews/docs/sept.2015_today_magazine/1?e=3003796/1505151



Certificate of a share in the "First Vineyard" of John James Dufour's Kentucky Vineyard Society purchased for \$50.00 dated November 21st, 1799.



(Left) Bird damaged Sabrevois grapes with bees and wasps starting to come in for the feast. Does not take long before other insects, sour rot and other bunch rot diseases create a vinegar producing utopia.

Bird Control is essential for quality grapes. We have many tools at hand to deter birds. When all else fails, have bird netting ready to go on at a moment's notice.

8-31-15 Somewhere in Iowa

Marketing Tidbits

1. *3 Ways to Boost Customer Experiences that will Boost Sales*, 9-3-15 Brett Relander:
<http://www.brettrelander.com/3-ways-create-customer-experiences-boost-sales>

Bottle Shock: AKA bottle-sickness, a temporary condition of wine characterized by muted or disjointed fruit flavors. It often occurs immediately after bottling or when wines (usually fragile wines) are shaken in travel. After several days the condition usually disappears.

From: [Gallo Wine Glossary](#)

Neeto Keeno

- 1 *WineTutor TV* (A new, free wine education tool offering online video to help students tackle the Master of Wine syllabus and hone their essay skills): <http://winetutor.tv/>
2. 2015 Finger Lakes Grape Price List – Cornell, University:
http://flgp.cce.cornell.edu/submission.php?id=90&crumb=business%20management|business_management

Notable Quotables

“One of my favorite quotes is, “*Nothing in all the world is more dangerous than sincere ignorance and conscientious stupidity,*” by Martin Luther King Jr. This basically sums up the modern views of sweet wines by wine experts, educators and enthusiasts today.”

From: Tim Hanni in [Sweet wine – ignorance, arrogance and lost traditions](#), 9-3-15
Napa Valley Register

“It is well accepted that almost the 20% of the vineyards are affected by these diseases around the world.”

From: [International alert for the grapevine trunk diseases](#), 9-4-15 Teatro Naturale
International

Articles of Interest

1. [What Are Those Fungicide-Group Numbers on Product Labels?](#) 8-22-15 Wayne Wilcox, Cornell Univ.:
2. *Making Microbeads Out of Winery Wastes: A Novel Approach to Improving Shelf Life and Stability of Polyphenols*, 8-27-15 the Academic Wino:
<http://www.academicwino.com/2015/08/microbeads-winery-wastes-shelf-life-stability-polyphenols.html/>

3. *Sci-Fi Vineyards: The Drones of Burgundy*, 9-2-15 Forbes Life:
<http://www.forbes.com/sites/katiebell/2015/09/02/sci-fi-vineyards-the-drones-of-burgundy/>
4. KY: [*Kentucky: The first commercial winery in the U.S.*](#), 9-3-15 Napa Valley Register

Calendar of Events

2015 Practical Farmers of Iowa schedule of field days:

http://practicalfarmers.org/wp-content/uploads/2015/05/2015-Field-Day-Guide_final_smaller1.pdf

9-12 10 a.m. to noon, UMN Grape Breeding & Enology Project Open House - MN
[UMN Horticultural Research Center](#), 600 Arboretum Blvd., Chaska, MN 55318. FREE

9-12, noon to 2 p.m. Wisconsin Table Grape Evaluations & Vineyard Walk, West Madison Ag Research Center, 8502 Mineral Point Rd., Vernon, WI 53593. Contact: Janet Hedtcke"
janet.hedtcke@wisc.edu

9-(22 & 25), International Master Gardeners Conference, Mid-America Center, Council Bluffs, IA. Hosted by the UNL & ISU. (Registration deadline is 9-31)
<http://mastergardener.unl.edu/imgc2015>

10-(5-9), VESTA WINE WORKSHOP WEEK – Bryan, TX. Questions or RSVP: VESTA Rep Scott Kohl at 785-456-6006 or skohl@highlandcc.edu

10-17, Fall University of Nebraska Viticulture Program Workshop, Lincoln, NE
Details later here: <http://viticulture.unl.edu/>

11-(13 & 14), Beginner Introduction to Mead Making – UC Davis. Details & Registration
<https://registration.ucdavis.edu/Item/Details/170>

11-(11-14), 2015 VitiNord International Conference will be held at the [Lied Lodge & Conference Center](#) in historic Nebraska City, NE: <http://www.vitinord2015.org/>

2016

1-(26-28), Unified Wine & Grape Symposium – Sacramento Convention Center, CA
<http://www.unifiedsymposium.org/>

2-(4-5), Midwest Grape & Wine & Craft Brew Conference – St. Charles, MO Convention Center. Details: <http://midwestgrape.com/>

2-(11-13), Texas Wine Grape Growers Conference – San Marco, TX.
Details: <http://www.txwines.org/>

2-(11-13), Cold Climate Conference - Hyatt Regency, Minneapolis, MN
<http://www.mngrapes.org/>

2-(22-23), Northern Grapes Project Symposium & Advisory Committee meeting – Kalamazoo, MI, Details later: : <http://northerngrapesproject.org/>

2-(24-26), 2016 Michigan Grape & Wine Conference, Radisson Plaza Hotel – Kalamazoo, MI. Details later: <http://www.michiganwines.com/conference>

2-(28-29), Iowa Wine Growers Association Annual Conference – [Prairie Meadows Hotel – Racetrack & Casino](#) , Altoona, IA. Details later here: <http://iowawinegrowers.org/>

3-(3-5), Nebraska Winery & Grape Growers Forum & Trade Show – Omaha Marriott
<http://agronomy.unl.edu/viticulture/>

3-(9-11), Eastern Winery Exposition – Lancaster County Convention Center – Lancaster, PA: <http://easternwineryexposition.com/>

e-Viticulture: <http://eviticulture.org/>

Iowa Wine Growers Association: <http://iowawinegrowers.org/>

Iowa Wine Explorers Facebook page: <https://www.facebook.com/IAWineExplorers?ref=hl>

Iowa Wine & Beer Promotion Board: <http://www.traveliowa.com/GetInspired/WineAndBeer>

ISU Viticulture Extension: <http://viticulture.hort.iastate.edu/>

ISU Midwest Grape & Wine Industry Institute: <http://www.extension.iastate.edu/wine/>

Northern Grapes Project: <http://northerngrapesproject.org/>

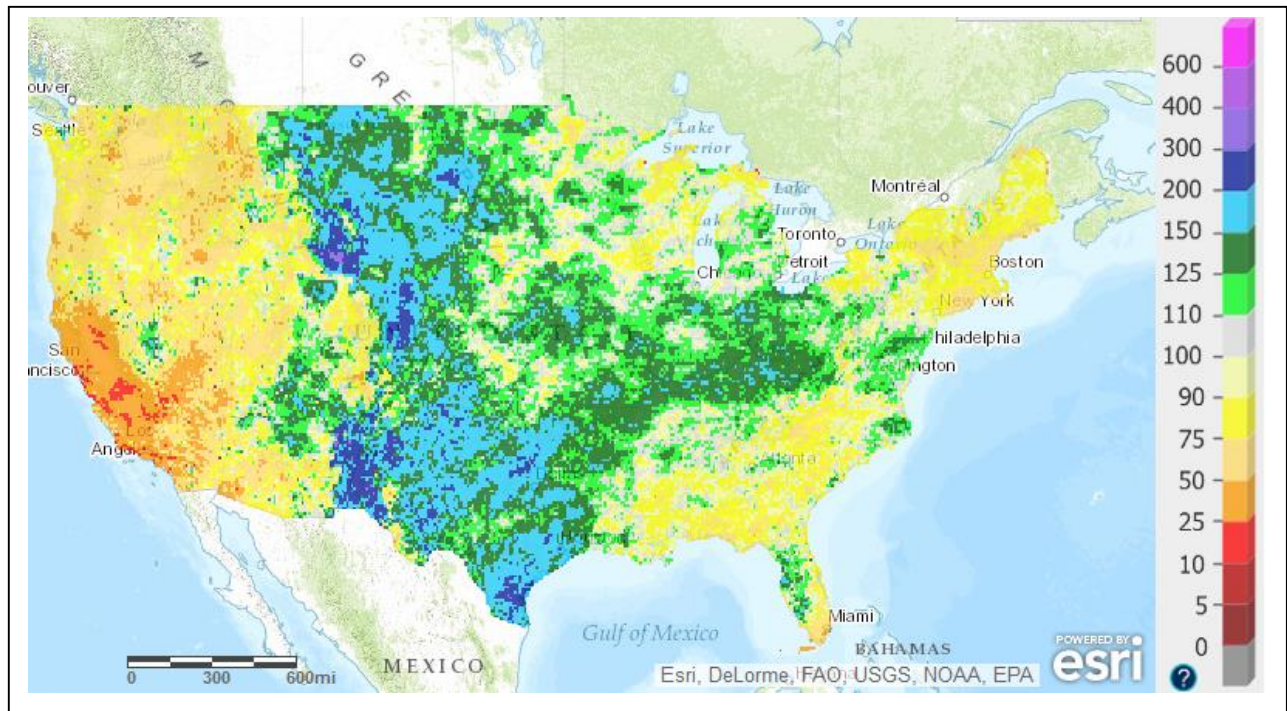
Missouri Grape & Wine Institute Weekly Vineyard IPM Reports can be found here:
<http://gwi.missouri.edu/>

VESTA (Viticulture Enology & Science Technology Alliance):
<http://www.vesta-usa.org/>

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9-4-15 NOAA National Weather Service Year to Date % of Normal Rainfall
<http://water.weather.gov/precip/>

Total Circulation of 1,700+ recipients in AZ, CA, CO, CT, DE, FL, GA, OH, OK, IA, IN, IL, KS, KY, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NV, NY, OK, OR, PA, SD, TX, VA, VT, WA, WA DC, WI, Australia, Canada, Chile, France, India, Israel, Norway, Pakistan, Spain, Sweden & Turkey

...and justice for all

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