

We will start our meeting at 6:05 pm.

What are the first 3 words you see?

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Humboldt & Del Norte

July 2020

Meeting will be recorded and made
available upon request



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MG Lifetime Achievements

250 Hours

Jackie Tidwell
Grace Kramer
Bill Peer
Jon Daigneault

500 Hours

Maria Krenek

750 Hours

Tom Schrader
Myron Kelso
Zeal Stefanoff

Gold Badge
1,000 Hours

Tim Walsh

Platinum Badge
2,500 Hours

June Walsh
Terry Allaway



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COVID-19 Updates

- **ALL In-person activities** require pre-approval from County Director, Yana. This is a UCANR State Office directive. Submit your activity(s) using [this form](#). Approval must be obtained in order to volunteer as a MG and log hours for service and CE.
- COVID-19 training is **required** for all UCANR volunteers – upcoming time and date to be announced.



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UCANR COVID-19 Documents

- Stay updated with current protocols. Find these on our MG website within the Volunteer only pages.
 - [Access directly](#) to Volunteer only Pages this requires signing in with your sign-in and password (same as your VMS sign-in and password)

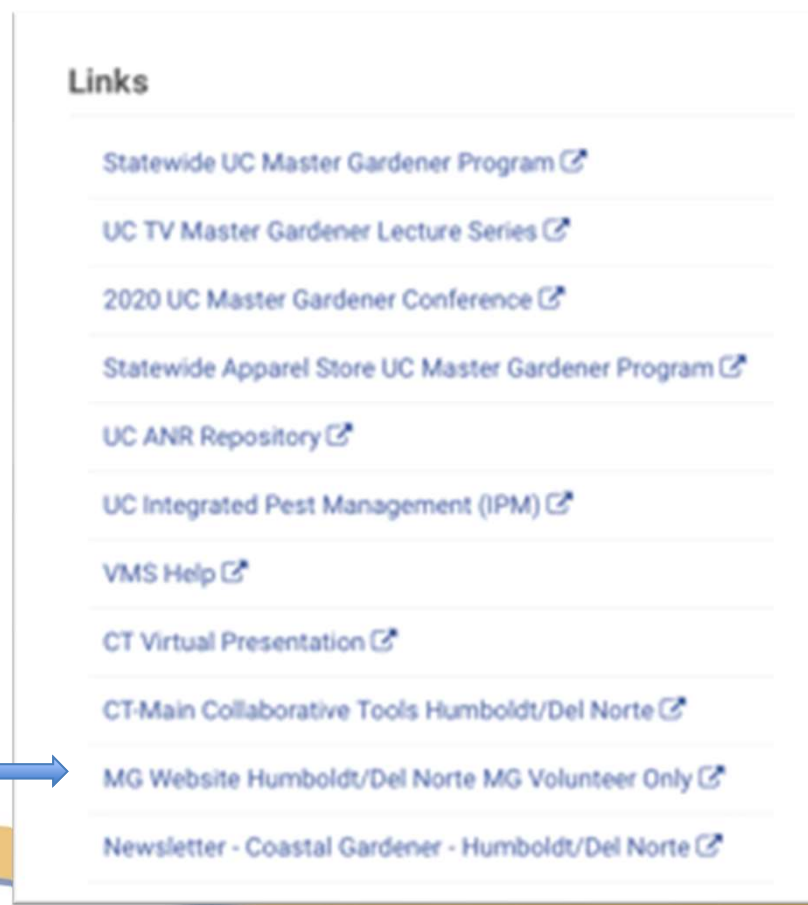
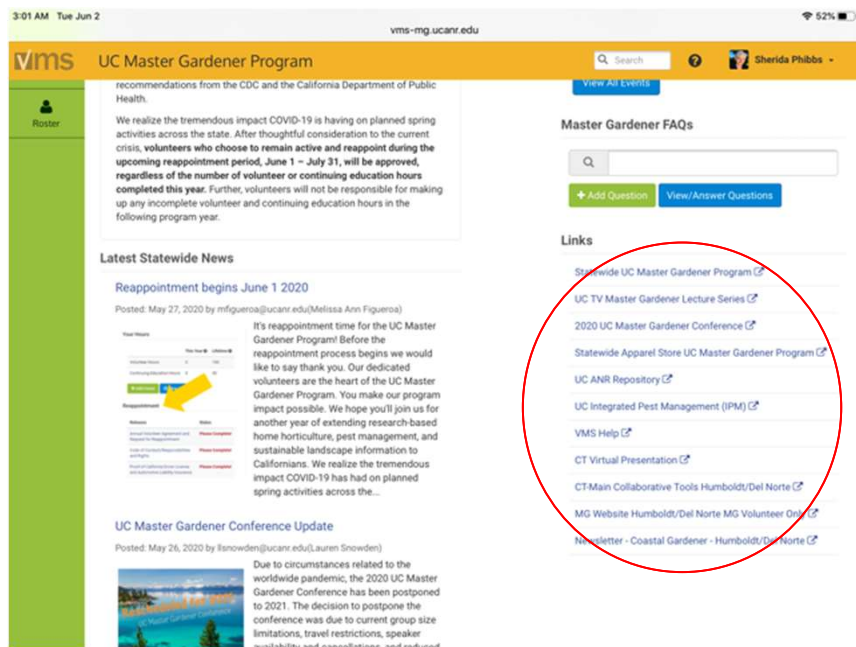


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UCANR COVID-19 Documents

- Access through VMS home page – click on MG Website Humboldt/Del Norte MG Volunteer Only



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UCANR COVID-19 Documents

- Once in the Volunteer only section, from the left side navigation panel select COVID Updates and Protocols
- Make sure to [read](#) COVID-19 Phase 2 Information for UCANR Programs & Volunteers
- Earn CE hours and read documents on this page

Remember, you must receive an approval from Yana for all in-person activities before engagement.



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Monthly Continued Education

- Form CE committee
 - Decide on topics for monthly meeting's CE
 - Find presenters
 - Search and find appropriate online CE resources- must be researched science based

- MG Presenters – Do you have a subject you would like to share at a monthly MG meeting?



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Continued Education

Diagnosing Plant Problems

- Learn from each other
- Starting today with a refresher series on Diagnosing Plant Problems
- Outline format we will use using resources from
 - MG Handbook 2nd Edition Chapter 21
 - UCANR Abiotic Disorders of Landscape Plants – A Diagnostic Guide
 - UCANR Pests of Landscape Trees and Shrubs
 - UC IPM
 - <https://www.gardenmyths.com/>
 - <http://gardenprofessors.com/>



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A Master Gardener's Role

- Primary function is to help people through education
 - Use process of diagnosing clients' plant problems as a teachable moment:
 - Basic concepts of plant growth
 - Development
 - Sustainable cultural practices
 - Help solve a problem
 - Encourage IPM practices
 - Understanding what went wrong helps to prevent the problems recurring and save remaining plants.

*Resource MG Handbook 2nd
Edition page 686*



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MG Detectives

- Successful diagnosticians are good detectives who develop a systematic approach to problem solving:
 - Ask many questions
 - Keep an open mind
 - Draw on their knowledge of plant growth and development
 - Consult available facts or references before they offer a diagnosis.
- In many instances, it is possible only to narrow the causes to two or three possibilities.

*Resource MG Handbook 2nd
Edition page 686*



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Knowledge Needed to Diagnose Plant Problems

- Requires basic level of knowledge in
 - Horticultural science
 - Entomology
 - Plant pathology
 - Soil and irrigation management
 - Using online resources i.e. UC IPM
 - Using only reliable science-based resources
 - ??? What else?



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Knowing Signs vs Symptoms

- A disease symptom – change in appearance or growth of plant
 - Wilting
 - Galls
 - Leaf spots
 - Blights
 - Root rot
 - etc
- A disease sign is a disease-causing organism or its parts
 - White, powder like mildew (visible fungal structure)
 - Rust
 - etc

If you can recognize the symptoms or signs and identify the host plant, you can use various reference materials to make or at least narrow down a diagnosis.



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Steps in Diagnosing

1. Identify the plant

- Failure to do so can make an accurate diagnosis difficult
- Know the common and scientific name

2. Define the problem

- What is abnormal?
- Which part of the plant is affected?
- Are few or many plants affected?
- Are symptoms on one or several species?
- *Keep an open mind and avoid to snap conclusions*



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Steps in Diagnosing

3. Collect information

- Ask questions
 - Soil and site conditions
 - Cultural practices
 - Application of pesticides (what, dosage, frequency)
 - Approx. age of plant
 - Past and present weather conditions
 - ??? Other relevant information
 - *We need to update our Webpage ask a MG Help Desk!*

Eliminate any obvious or very common causes first. Look beyond the immediate symptoms for clues



Steps in Diagnosing

4. Look for patterns

- If more than one plant or a large area is affected, look for patterns
 - Distribution of the problem
 - Symptoms among the plants
 - Compare old and new growth
 - Compare leaf margins, tips, and who leaves
 - Wilting in young shoots vs older or entire plant
 - Patterns of chlorosis, yellowing and malformed leaves
 - Abnormal defoliation or dieback
 - Root system observation
 - Etc, etc, etc

There may be more than one problem, and one can cause another.



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Steps in Diagnosing

5. Formulate a tentative diagnosis

- The cause of the problem can be narrowed to two or three possible answers.
- Base diagnosis on
 - Evidence and information collected
 - Your knowledge of the plant, its needs and common problems
- Keep in mind
 - The problem may be new or unique
 - You may not be able to make a diagnosis



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Steps in Diagnosing

6. Provide solutions and options

- Diagnosis may consist of two or more likely but unconfirmed causes.
 - Offer potential solutions or treatment options for each possible cause.
 - Not every problem can be solved or cured.
- Effective solutions are available from a variety of reference materials
 - UC IPM
 - UC publications
 - Other land grant universities
 - Other reliable, unbiased science-based resources.
- Give client entire range of treatment or solution options as articulated in published or web-based UC guidelines or recommendations, then allow the client to decide which option is best for them to employ.

A MG diagnosis should always be presented to the client as “possible diagnosis” and **never** as a “definitive diagnosis”.



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Next Month

Abiotic Disorders of Landscape Pests

- Our monthly meetings now will be 6:00-7:15(30) – Everyone month we will spend 1 hour on CE. Make sure to log your CE time for our monthly Zoom CE. Remember you need 12 hours of CE for the year!
- If you would like to take the discussion lead for any of our monthly CE – please let me know.

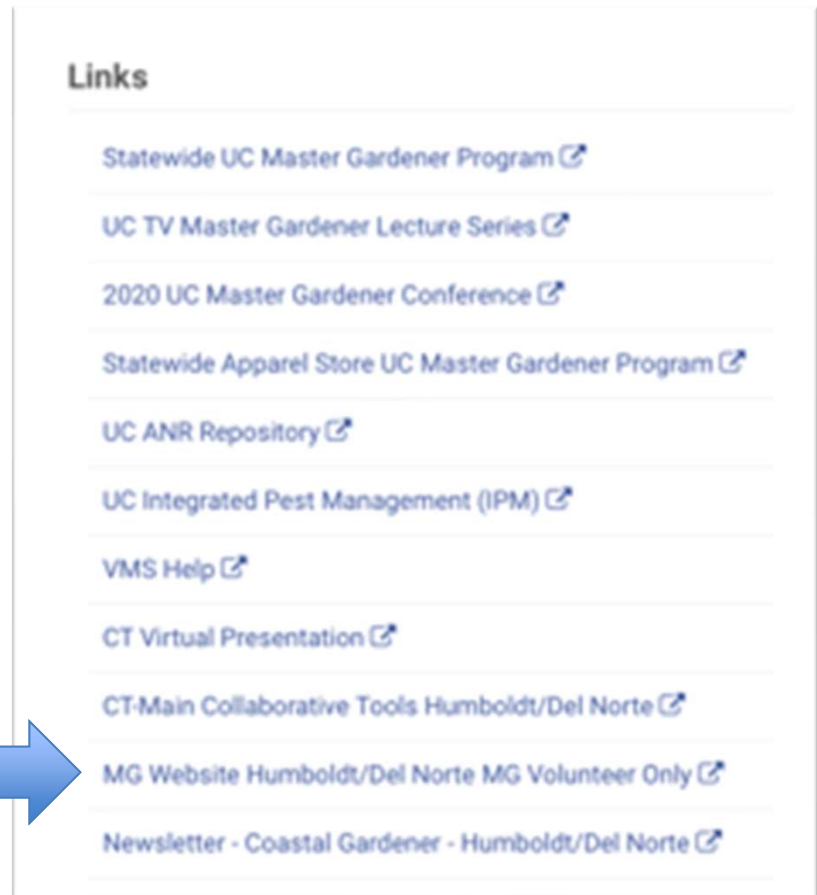
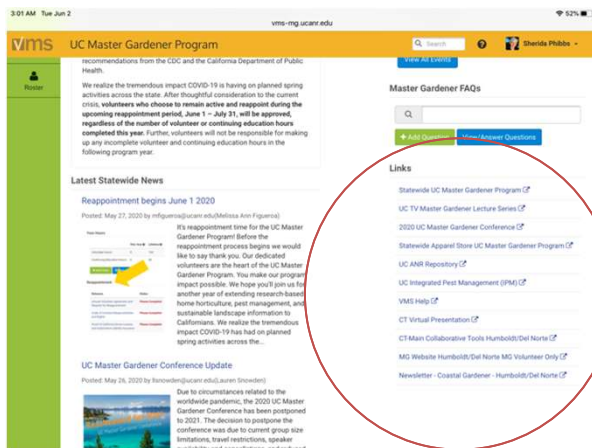


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Continuing Education

- Approved CE is listed at the Volunteer Only Access Page https://ucanr.edu/sites/hdnmastergardeners/Volunteer_Only_Access/
- Or you can link into that page from your VMS screen



Current Volunteer Opportunities

Earn Volunteer Service Hours:

- Your in-person projects – *only after Yana approves the in-person activity*
- Pictures for Facebook sharing
- Help Desk responding/research
- CE Presentation at our monthly Zoom MG meeting
- Recording How to Videos – Will be posted on our Website and Facebook.
- Record a short PowerPoint Presentation – Your choice of subject – Will be posted on our website
- Help develop Website content
- Newsletter articles
- Committees
- **PLEASE RECORD HOURS MONTHLY OR AT THE VERY LEAST QUARTERLY**

Our ask a MG Help Desk Needs Help from MGs

- Advise to Grow by Help Desk for is for home gardeners in Humboldt and Del Norte Counties. The Help Desk is located on our website. They complete a Help Desk Ticket and submit online.
- https://ucanr.edu/sites/hdnmastergardeners/Help_Desk_-_Ask_A_Master_Gardener/
- Please help with providing responses when the Help Desk email goes out to you. Provide your recommendations and links to approved online resources. Earn volunteer service hours for your time responding and researching.



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Our Online Presence

- UCCE Master Gardeners of Humboldt & Del Norte Website
<https://ucanr.edu/sites/hdnmastergardeners/>
- Facebook www.fb.me/HumboldtMG
- Newsletter The Coastal Gardener - Sign up
<https://ucanr.edu/survey/surveyadmin/surveyLink.cfm>



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Other Topics/Questions?

Find a plant pathologist to speak to us.



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