

presented by Ralph Thompson, UCCE Master Gardener UCCE Master Gardener Program of Riverside County



UC Master Gardener Program

Growing Master Gardeners Initiative - 2022-23 Program Yea

Slide

## What is IPM?

- Integrated Pest Management, or IPM, is a process to solve pest problems while minimizing risks to human health, beneficial and nontarget organisms, and the environment
- IPM is an ecosystem-based strategy focusing on long-term prevention
  - Combination of biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties
  - > Pesticides are used only after monitoring indicates they are needed
- ❖ IPM can be used to manage all kinds of pests anywhere—in urban, agricultural, and wildland or natural areas
- IPM helps residents, growers, land managers, community leaders, and professionals prevent and solve pest problems with the least unintended impacts

## That's nice; but, What is IPM?

- California Legislature funded the University of California to establish a statewide IPM Program in 1979
- Currently 20 full-time employees
  - > Draw on expertise of UC scientists and researchers to develop and distribute UC's best information on pest management
  - Research-based techniques and strategies are the basis of IPM
- UC IPM works through county Cooperative Extension farm advisors, specialists, and researchers to provide information across California



ources UC Master Gardener Program

Growing Master Gardeners Initiative - 2022-23 Program Year

Clido 2

## **IPM Resources...**

- Extensive array of print and web-based publications, databases, books, manuals, papers, training materials, and interactive tools
  - More than 25,000 web 'pages'
  - > 1,500+ Publications
    - print (books, cards, notes, posters)
    - digital (videos, DVDs, etc)
- 'Urban & Community IPM' and 'UC Ag Experts Talk' courses and webinars
  - > Topics and Number vary by month and year
  - Master Gardeners may participate, but the pest management methods presented, especially pesticides, are not to be followed without a clear understanding of their legal use by homeowners



UC Master Gardener Program

Growing Master Gardeners Initiative – 2022-23 Program Year

Slide ·



#### IPM Resources . . .

- \* Extensive array of print and web-based publications, databases, books, manuals, papers, training materials, and interactive tools
  - More than 25,000 web 'pages'
  - > 1,500+ Publications

print (books, cards, notes, posters)

I estimate there are at least ½ MILLION cross-referential links on IPM webpages

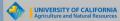
presented, especially pesticides, are not to be followed without a clear understanding of their legal use by homeowners

'Urb

#### Rather than navigating through UC IPM's content-dense website, the

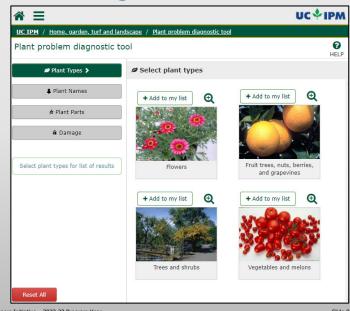
#### **Plant Problem Diagnostic Tool**

uses client inputs to generate a shorter list of possible pests, diseases, or abiotic problems; thereby helping the user to quickly verify their problem(s) and find appropriate solutions.



## **Using UC IPM's Plant Problem Diagnostic Tool**

- Can diagnose 650 arthropod, disease, and abiotic problems on over 300 plant species
- Four step process "refines" the search and offers a set of diagnoses
  - > Type
  - > Plant Name
  - > Affected Parts
  - Damage
- Results drawn from IPM database and link to IPM pages

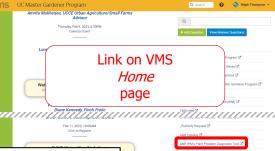




# Getting to the Plant Problem Diagnostic Tool INVERSITY OF CALIFORNIA AGRICULTURE A MARRIAL RESOURCES UC VIPM Statewide Integrated Past Management Program Visit Subscribe Visit Subscribe



UNIVERSITY OF CALIFORNIA



The UC Master Gardener Program is designed share science-based information with the public. In addition to our many Volunteers, the following resources provide the answers to many, if not most, of your questions.

California Garden Web

The UC Master Gardener Program designed the California Garden Web to serve as a portal to

UC IPM's Plant Problem Diagnostic Tool

Rather than nav
uses an image
plant that has t

Link on RiversideMG website *Internet Resources*page

choosing the id then the e pests, propriate site may link

Safe and Poisonous Francs

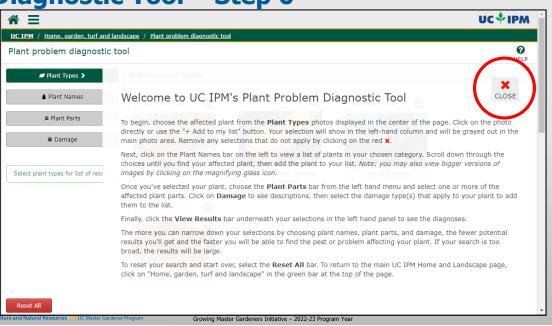
damage observ diseases, or ab

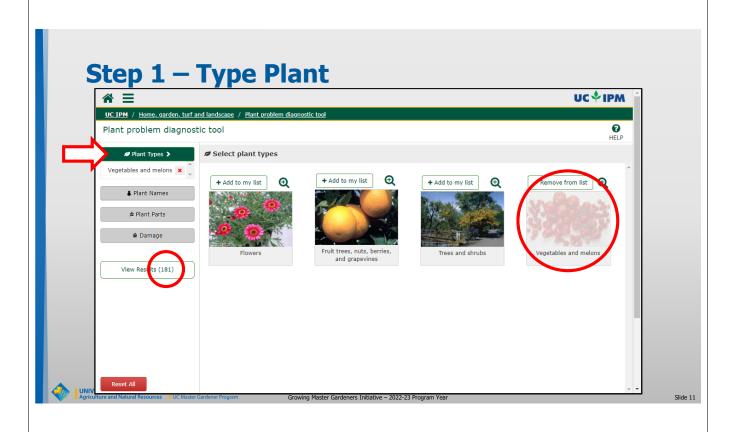
solutions. The

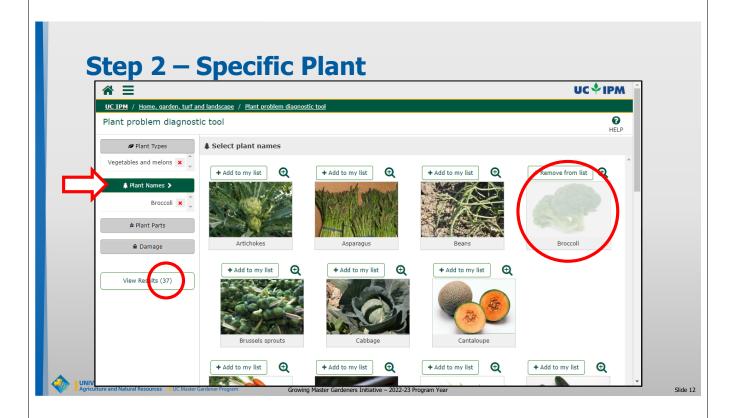
directly to the

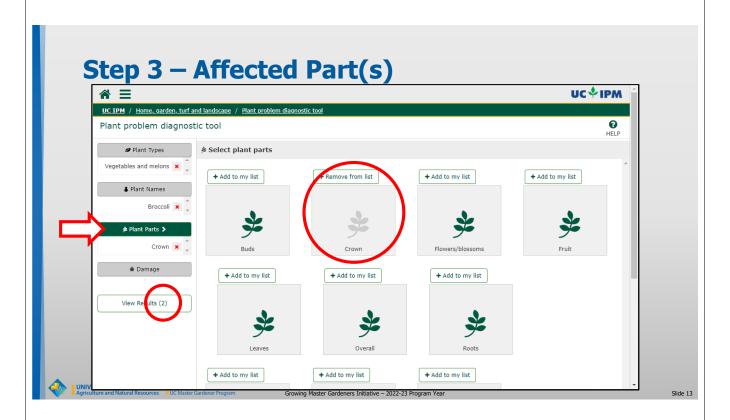
Growing Master Gardeners Initiative - 2022-23 Program Yea

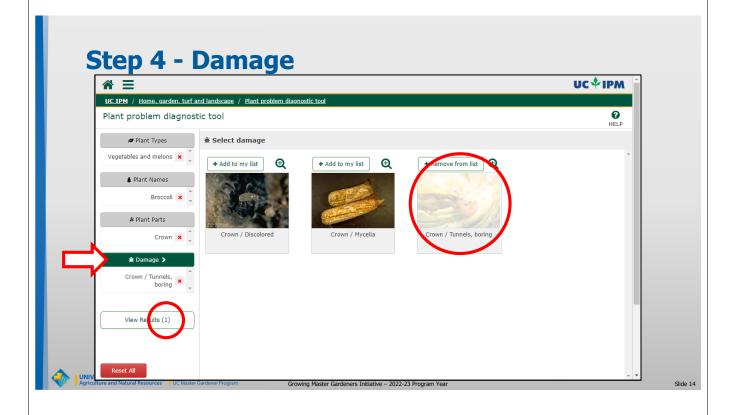
# **Diagnostic Tool - Step 0**



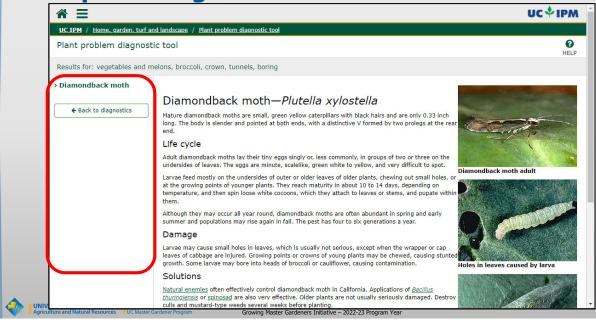








# **Step 5 – Diagnosis Results**



Slide 15

## **Step 5 – Multiple Possible Diagnoses**



#### Results . . .

- If your search brings up a large number of results
  - > Limit selections when choosing plant names, plant parts, and damage
- If none of the results seem to match seen damage
  - > Click the "Back to diagnostics" button and try other damage symptoms or affected parts
- To start over, click the "Reset All" button
- To return to the main UC IPM Home and Landscape page, click on "Home, garden, turf and landscape" in the green bar at the top of the page



RNIA

Growing Master Gardeners Initiative - 2022-23 Program Yea

Slide 1



Ralph Thompson ralph.catcity@gmail.com





Ralph Thompson ralph.catcity@gmail.com



UC Master Gardener Program

Growing Master Gardeners Initiative = 2022-23 Program Year

Slide 19