An interdisciplinary team from NC State College of Agriculture and Life Sciences has created a new, mobile-friendly, database driven tool to help strawberry growers visually diagnose disorders. The new Strawberry Diagnostic Key provides a way to filter by visual characteristics and to identify problems. Results include details about the disorders and possible management strategies.

The key is located at [http://diagnosis.ces.ncsu.edu/strawberry/](http://diagnosis.ces.ncsu.edu/strawberry/).

The key consist of 74 disorders. Disorders are broken down into 4 main types:
- Disease (22)
- Arthropod (Insect) (19)
- Nutrition (14)
- Physiological (19)

To begin, select as much information as you know about your sample from the provided lists. The number in parenthesis after the name indicates how many disorders meet your filtering criteria. Each time you click an attribute, the disorders with that characteristic will remain within the pool of potential disorders. Those disorders not meeting those criteria will drop from the list.

If you click on Disease (19), then the key will automatically update and display only disease options, all the Arthropod (Insect), Nutrition, and Physiological disorders will be excluded.

You can select more than one filter item. Disease + Roots selection of Necrotic will focus the number of disorders remaining to 4.

You can view each disorder that is listed, or select a third Filter item based on the symptoms to help refine your search. So by selecting another symptom of Crows with Internal Discoloration you narrow down to fewer and fewer remaining possibilities (2 in our example) to help you diagnose the problem. We can gather more information about the remaining possible diagnoses by clicking on More Details.

More Details will link to a fact sheet for each disorder. These fact sheets contain information such as symptoms and signs, disease or insect cycle, similar problems, diagnostic tips and procedures, management, corrective measures, additional information and useful resources.

This key will help you visually identify the disorder. Many disorders can mimic one another. So in most cases, submitting a sample to a diagnostic clinic or laboratory may be needed to positively identify the problem.

Confirm pest identification before applying costly corrective procedures!

Sample results from North Carolina State University’s Plant Disease / Insect Clinic confirming Phythophora crown and root rot.

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