EVALUATING AND FINDING SOURCE INFORMATION

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https://gavilan.libguides.com/evaluate
THE STANFORD EXPERIMENT

STANFORD STUDENTS

PROFESSIONAL HISTORIANS

PRO FACT-CHECKERS

https://www.youtube.com/watch?v=yBU2sDIUbp8
Types of Publications & Credibility

Very Skeptical

- Blogs
- Personal Websites
- Websites of Unknown Origin

Publications from Advocacy Groups (political parties, religious organizations, activist groups)

Daily News (print and online, tv, radio)

General Audience Books

High Quality Mainstream Media (national newspapers, newsmagazines, political & current affairs magazines)

Books by Experts (non-academic publishers)

Some Government Websites

Peer Reviewed (Scholarly) Journals

Books by Experts (academic publishers)

Much Less Skeptical
SOURCE EVALUATION USING S.I.F.T.

- Stop
- Investigate
- Find [additional resources]
- Trace [to the original if possible]
S.I.F.T. - STOP

- Recognize your own biases, beliefs, and blind spots
- Why did you choose this source that you are considering using?
- Stay on task.

“The habit is simple. When you feel strong emotion—happiness, anger, pride, vindication—and that emotion pushes you to share a “fact” with others, STOP. Above all, these are the claims that you must fact-check.”

https://pressbooks.pub/webliteracy/chapter/building-a-habit-by-checking-your-emotions/
S.I.F.T. - INVESTIGATE

- Who created or shared this source?
- What is the author's or organization's credentials and reputation?
- How is the information presented; are these facts or opinions?
- Are there any conflicts of interest that might affect the way that they represent this topic?
S.I.F.T. FIND ADDITIONAL SOURCES

- What else is out there on the topic?
- Has anyone else written about it?
- Do other publications provide more information about the topic?
- Do other (quality) sources tell the same story and contain the same facts?
S.I.F.T. - TRACE

- Who first wrote about the topic?
- When was it first published?
What is wrong with my peony leaves?

Question:
What is wrong with my peony leaves?

Answer:
Foliar diseases like leaf blight and powdery mildew can discolor or spot peony leaves. The powdery mildew fungus (Erysiphe) covers the leaves in what looks like a dusting of white powder. See photo below. Once these diseases appear on the leaves, there is little that a gardener can do. Fortunately, both types of foliar diseases do not typically kill peony plants. In the fall remove the diseased leaves and discard them to prevent re-infection next year. Diseased leaves should not be composted.

Another consideration may be the location of the peonies. Peonies planted in too much shade frequently have more problems with foliar diseases than peonies in full sun.

Learn more about growing peonies in Iowa in this article: Growing Peonies in Iowa

Answered By: Cindy Haynes, Department of Horticulture

https://hortnews.extension.iastate.edu/faq/what-wrong-my-peony-leaves

STOP:

Biases?

Why did I choose this source?

Have I gotten off-track here?
What is wrong with my peony leaves?

Question:
What is wrong with my peony leaves?

Answer:
Foliage diseases like leaf blight and powdery mildew can discolor or spot peony leaves. *Peony leaf blight* (Cladosporium) causes irregular brownish-purple spots on peony leaves in summer. The *powdery mildew* (Erysiphe) covers the leaves in what looks like a dusting of white powder. See photo below. Once those diseases appear on the leaves, there is little that a gardener can do. Fortunately, both types of foliar diseases do not typically kill peony plants. In the fall remove the diseased leaves and discard them to prevent re-infection next year. Diseased leaves should not be composted.

Another consideration may be the location of the peonies. Peonies planted in too much shade frequently have more problems with foliar diseases than peonies in full sun.

Learn more about growing peonies in Iowa in this article: Growing Peonies in Iowa

Answered By: Cindy Haynes, Department of Horticulture
S.I.F.T. WALK THROUGH

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Education
Doctor of Philosophy, University of Georgia, 1996
Master of Science, University of Georgia, 1991
Bachelor of Science, Louisiana Tech University, 1988

Research Focus

Awards/Special Recognition
2020 Spring 2020 Innovation in Teaching Award (ISU)
2018 Outstanding Achievement in Teaching (CALS)
2017 Outstanding Undergraduate Educator Award (ASHS)
2016 CALS Extension Team Award for the Master Gardener Program
2013 North American Colleges and Teachers of Agriculture (NACTA) Outstanding Regional Teacher Award (Midwest)
2011 Iowa State Horticulture Society Award

2011 Iowa State Horticulture Society Award
2010 NACTA Fellow
2010 Wakanse Fellow
2008 Gamma Sigma Delta Mission Teaching Award
2006 Garden Writers Association Silver Award for Indoor Plants publication
2003, 2008 ISU Extension Award for Educational Team
2000, 2008 Miller Faculty Fellow

Teaching Responsibilities
Horticulture 121 – Home Horticulture
Horticulture 221 – Principles of Horticultural Science
Horticulture 330 – Herbaceous Ornamentals
Horticulture 424/524 – Environmental and Sustainable Horticulture
Horticulture 494 – Service-learning in Horticulture
What is wrong with my peony leaves?

Question:
What is wrong with my peony leaves?

Answer:
Foliar diseases like powdery mildew fungus (Erysiphe) covers the leaves. Powdery mildew fungus covers the leaves in late spring to early summer. These diseases appear on the leaves, there is little that a gardener can do to prevent them. In early summer, diseased leaves should not be composted.

Another consideration may be the location of the peonies. Peonies planted in too much shade frequently have more problems with foliar diseases than peonies in full sun.

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Answered By: Cindy Haynes, Department of Horticulture

Category: Ornamental Plants and Flowers, Perennials
S.I.F.T. WALK THROUGH

What are those spots on my peony? Powdery mildew and...

Jun 16, 2020 — While peonies are relatively problem-free, a few diseases, powdery mildew and leaf blight, show up fairly regularly on plants during the summer...

Why are my peony leaves spotted?

Sep 29, 2020 — Spotted leaves is an indicator of fungal disease. Once a fungal disease is present, there is very little that can be done to treat...

American Peony Society

Peony Diseases and Pests

Fungal disease and insects are the most common diseases in peonies. Prevention is the best practice for avoiding problems with these diseases, thus proper fall pruning and leaf care...

Spots on peony leaves preventing fungal diseases

Spots on peony leaves or mold on the plants is usually caused by one of two peony fungal diseases: botrytis, grey mold or leaf blight...

University of Minnesota Extension

Peony > Leaves > Spots on leaves

Leaf Blight (aka Smut) Cladosporium paeoniae: 1 inch or larger, irregular to round reddish-purple blisters on leaves. Older leaf spots have dead tan areas...

Notcutt's Garden Centre

Peony wilt -

Early affected leaves and stems may then collapse and die. Affected flower buds turn brown when exposed to air, fail to develop, don't open and die — resulting...

Toronto Master Gardeners

Peony — Toronto Master Gardeners

According to the Missouri Botanical Garden: "Peonies are also subject to a variety of viruses including peony mosaic virus, leaf spot, and leaf blight diseases...

Johnson County Extension Office

What's Wrong with My Peonies

What's wrong with my peonies? "Mosaic" or "Leaf Blight"? SYMPTOMS:
Small, circular, red or purple spots on upper leaf surfaces just before...
Investigate the author and the publication sources

Peony Leaf Spot Causes: Tips For Treating Spotted Peony Leaves

Peonies are an old-fashioned favorite in the garden. Once a well-known harbinger of spring, in recent years new, longer blooming varieties of peony have been introduced by plant breeders. These hardworking horticulturists have also developed more disease resistant varieties of peony plants. However, like all plants, peonies can still have their share of problems with diseases and pests. In this article, we will discuss common afflictions that cause spots on peony leaves.

Why are My Peony Leaves Spotted?
Spotted peony leaves is usually an indicator of fungal disease. Once a fungal disease is present, there is very little that can be done to treat it.

https://www.gardeningknowhow.com/ornamental/flowers/peony/treating-spotted-peony-leaves.htm#:~:text=Spotted%20peony%20leaves%20is%20usually%20early%20spring%20is%20one%20method.
S.I.F.T. WALK THROUGH

Investigate the author and the publication sources
S.I.F.T. WALK THROUGH

Investigate the publication sources

Are you passionate about gardening too? Then you’ve found your home.

At Gardening Know How, whether you’re an apartment dweller with an affection for houseplants, a novice gardener putting in your first edible garden, or a master gardener wanting to learn about transforming your harvest into delicious meals, everyone is welcome here.

We know how dirt feels between our fingers, how thrilling it can be to see your first seedling or blossom of the year appear, and how good it tastes biting into that fresh fruit just picked from your very own garden. And because we’re gardeners too, our goal is simple: we want to make sure you get to experience these moments as well!

More than anything, gardening is fun, and we want to help you garden happier!

What You’ll Find Here

Every year over 180 million gardening enthusiasts visit our site to find the information and inspiration they need to achieve the garden of their dreams. With over 14,000 articles and more being published every day, our main site is a virtual encyclopedia of gardening information.
S.I.F.T. WALK THROUGH

Google search for "gardening know how reputation OR wikipedia"
GARDENING KNOW HOW ATTRACTS 11 MILLION VISITORS A MONTH WITH THIS STRATEGY

By Julio Jenkins  July 9, 2022
How to Spot Fake News

**CONSIDER THE SOURCE**
Click away from the story to investigate the site, its mission and its contact info.

**READ BEYOND**
Headlines can be outrageous in an effort to get clicks. What's the whole story?

**CHECK THE AUTHOR**
Do a quick search on the author. Are they credible? Are they real?

**SUPPORTING SOURCES?**
Click on those links. Determine if the info given actually supports the story.

**CHECK THE DATE**
Reposting old news stories doesn’t mean they’re relevant to current events.

**IS IT A JOKE?**
If it is too outlandish, it might be satire. Research the site and author to be sure.

**CHECK YOUR BIASES**
Consider if your own beliefs could affect your judgement.

**ASK THE EXPERTS**
Ask a librarian, or consult a fact-checking site.

Sources: International Federation of Library Associations and Institutions; factcheck.org

https://guides.library.harvard.edu/c.php?g=868129&p=6229710
INFOGRAPHIC

INFORMATION EVALUATION
Using the CRAAP Test

CURRENCY
Timeliness of the Information
- When was the information published or posted?
- When was the information revised or updated?
- Are the links functional?
- Does your topic require current information?

RELEVANCE
Importance of the Information for Your Needs
- Does the information relate to your topic?
- Who is the intended audience?
- Is the information appropriate for your needs (e.g., scholarly, scientific, statistical, popular)?

AUTHORITY
Source of the Information
- Who is the author, publisher, source or sponsor?
- What are the author's credentials?
- Is the author qualified to write on the topic?
- Does the URL reveal anything about the source (e.g., .gov, .edu, .org, .net)?

ACCURACY
Reliability, Truthfulness and Correctness
- Where does the information come from?
- Is the information supported by evidence?
- Has the information been reviewed?
- Does the language seem unbiased?
- Are there spelling or grammatical errors?

PURPOSE
The Reason the Information Exists
- Is the purpose clear?
- Is it fact, opinion, or propaganda?

Adapted from the CSU Chico CRAAP Test for the ARC Library

https://libguides.asu.edu/c.php?g=815544&p=5820238
SIMILARITIES BETWEEN EVALUATION METHODS

- Authority: author and publisher backgrounds, history, and intentions
- Personal bias: constantly be aware of our own biases
- Quality of the source (pamphlet, peer-reviewed literature, scholarly book, popular book)
TAKE A 1 MINUTE BREATHER, Q AND A IF TIME, AND SWITCH TO FINDING LITERATURE

HAPPY SPRING EQUINOX!

https://instr.iastate.libguides.com/c.php?g=1366531
https://hortnews.extension.iastate.edu/faq/what-wrong-my-peony-leaves

• Domain searching
• NAL  https://www.nal.usda.gov/
• PubAg
• Google Scholar  Scholar.google.com