

University of Idaho, Bonneville County Extension

## Eastern Idaho PEST ALERT

Bannock, Bingham, Bonneville, Cassia, Fremont, Jefferson, and Madison Counties

July 23, 2021



**GOOD**



**BAD**



**PICTURE  
of the week**



**UPCOMING**

### Bad Disease:

## Tomato curly top virus

Ron Patterson, Horticulture/Agriculture Educator  
University of Idaho Extension, Bonneville County

Curly top virus (CTV) is a disease that is noticed most on tomatoes, although it will infect many other plant species such as potatoes, as shown in the photo. CTV is vectored by the beet leafhopper after it feeds on an infected plant. It is impractical to try and treat for the leafhopper as we never know when they are going to be traveling through. They don't stick around and only need to feed for about a minute in order to infect a plant. Usually, the best thing to do is to remove and dispose of any infected plants.

Here are some links to information about curly top virus and possible control options:

[https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=1634&context=extension\\_curall](https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=1634&context=extension_curall)

<https://extension.usu.edu/yardandgarden/research/curly-top-of-tomato>

<http://hortsense.cahnr.wsu.edu/Search/MainMenuWithFactSheet.aspx?CategoryId=5&PlantDefId=56&ProblemId=283>



## Good Insect:

### Big-eyed bug

Ron Patterson, Horticulture/Agriculture Educator  
University of Idaho Extension, Bonneville County

The big-eyed bug is a predatory insect in the order of the true bugs, *Hemiptera*. They are quite fast and sometimes hard to spot. But they are voracious feeders of many of our pest insects. Be on the lookout for big-eyed bugs and welcome them into your garden.

Here is some more information on big-eyed bugs:

<https://extension.usu.edu/pests/uppd/iles/factsheet/big-eyed-bugs.pdf>

<http://ippc2.orst.edu/potato/bigeyebug.html>



UGA9005028

Photo courtesy of Bradley Higbee, Paramount Farming, Bugwood.org

## Codling Moth:



As we get into the second and third generation, continue your codling moth coverage as indicated for you nearest weather station.

Continue to keep fruit protected through September 15, or until days to harvest interval is indicated on your label so pesticide residue is below the threshold level. After September 15 codling moth becomes inactive.

Second Generation Spray Timing Table

Location	Apply First Spray	Greatest Period of 2 <sup>nd</sup> Generation Egg Hatch	End of 2 <sup>nd</sup> Generation
Burley	July 9	July 20 – Aug 4	Aug 25
Pocatello East Side	July 4	July 13 – July 24	Aug 10
Pocatello Airport	July 13	July 24 – Aug 9	unknown
Fort Hall	July 13	July 25 – Aug 11	unknown
Blackfoot	July 18	July 30 – Aug 15	unknown
Idaho Falls Airport	July 22	Aug 4 – Aug 23	unknown
Idaho Falls/Shelley	July 19	July 31 – Aug 18	unknown
Ucon	July 19	Jul 30 – Aug 16	unknown
Rigby	July 23	Aug 8 – unknown	unknown
Ririe	July 24	Aug 9 – unknown	unknown
Rexburg	July 22	Aug 3 – Aug 23	unknown
Sugar City	July 30	Aug 13 – unknown	unknown
St Anthony	Aug 2	Aug 16 – unknown	unknown

Third Generation Spray Timing Table		
Location	Apply First Spray (if not already covered)	Greatest Period of 3 <sup>rd</sup> Generation Egg Hatch
Burley	Unknown	unknown
Pocatello East Side	Aug 11	unknown
Pocatello Airport	unknown	unknown
Fort Hall	unknown	unknown
Blackfoot	unknown	unknown
Idaho Falls Airport	unknown	unknown
Idaho Falls/Shelley	unknown	unknown
Ucon	unknown	unknown
Rigby	unknown	unknown
Ririe	unknown	unknown
Rexburg	unknown	unknown
Sugar City	unknown	unknown
St Anthony	unknown	unknown

## Chemical control for Codling Moth:

Ingredient	Efficacy	Residual length (days)	Mode of Action (MOA) and Comments
Conventional			
Carbaryl (old Sevin products)	Good	14	MOA 1
Gamma-cyhalothrin (Spectracide Triazicide)	Good to Excellent	14 – 17	MOA 3. Last application at least 21 days prior to harvest
Malathion (Bonide Malathion, Hi Yield Malathion)	Good	5 – 7	MOA 1. Max 2 applications; some products are pears only
Zeta cypermethrin (Garden Tech Sevin)	Good to Excellent	14 – 17	MOA 3. Last application at least 14 days prior to harvest
Organic			
Azadirachtin (Safer BioNeem)	Fair to Good	7 – 10	MOA not classification
Codling moth virus (Cyd-X)	Good (if populations low)	7	MOA no classification. Works best when used at beginning of generation
Kaolin clay (Surround)	Fair	7	MOA no classification. Produces protective barrier
Oil (All Seasons Oil, EcoSmart, Neem)	Fair	3	MOA no classification. Recommended for the first application of the generation only
Pyrethrin (Ortho Fruit Spray, Fertilome Fruit Tree Spray, Safer End All)	Good	3 – 5	MOA 3
Spinosad (Monterey/ Fertilome Spinosad)	Good	7 – 10	MOA 5. Max 6 applications

## Fire Blight:

Continue to prune out any wood with fire blight symptoms. Disinfect the pruners between each cut with 10% bleach solution, rubbing alcohol, or disinfectant wipes. If the symptoms extend beyond the fruiting spur you should cut at least twelve inches into healthy wood. The bacteria spreads through the vascular tissue and will be beyond the visible symptoms.



## Photo of the Week:



Be cautious when using sprays! Know what's in your sprayer and how it will effect the plants you're spraying and the surrounding area.  
Photo: Gary Lewis



Last week's photo  
Courtesy of  
Patricia Cook

**UPCOMING:**



## **Harvesting & Storing Home Grown Produce**

**Ron Patterson, Extension Educator: Horticulture**

New to gardening and you're not sure quite what to do with the lovely zucchini or strawberries you're growing? Join us to learn **WHEN** and **HOW** to harvest your produce and how to store it once it's picked.



July 27, 2021

7:00pm, MDT

<https://uidaho.zoom.us/j/92616335377>



**Followed by Plant Talk show @ 7:30pm, MDT**  
**Bring your gardening questions and get answers from plant experts Ron and Reed!**



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