

# Cedar Rust Diseases Active on Apple Trees



**Eric Baker**  
Estill County Extension Agent for Agriculture & Natural Resources

I have received several calls about orange spots on apple tree leaves. Most likely, the leaf spots are a cedar rust disease that is common in Kentucky.

There are three types of cedar rusts that affect apple: cedar-apple rust which produces large brown galls on cedar and other species of Juniperus, cedar-quince rust that produces orange swellings on twigs and fruit, and cedar-hawthorn rust that forms galls similar to cedar-apple rust, only smaller. All three fungi have similar life cycles.

Fungicides should be used as protectants to prevent rust pathogens from infecting. After symptoms develop on apple, it is often too late for control. Early protection of apples, crabapples, and hawthorns is important, as most infections occur within the first 30 days after bloom. Many general purpose fruit tree sprays may not control rusts. Homeowner fungicides available include Immunox and Mancozeb. Follow label directions.

For detailed spray recommendations, backyard fruit growers should consult publication ID-21, "Disease and Insect Control Program for Home Grown Fruit in Kentucky." For landscapes, consult UK Extension publication ID-88, "Woody Plant Disease Control Guide for Kentucky." All three are available through the Estill County Cooperative Extension office.

## Squash Vine Borer Control

According to UK Entomologist Ric Bessin, gardeners need to be aware that squash vine borer is active. This pest often goes unnoticed until their larvae have done considerable damage to vines of summer squash, winter squash, and

pumpkins. Previous studies have shown that the adult stage are active from mid-June until the end of July.

Infested vines usually die beyond the point of attack with squash vine borer. Sawdust-like frass near the base of the plant is the best evidence of squash vine borer activity. Careful examination will uncover yellow-brown excrement pushed out through holes in the side of the stem at the point of wilting. If the stem is split open, one to several borers are usually present. The caterpillars reach a length of 1 inch and have a brown head and a cream-colored body.

The adult squash vine borer is a stout dark gray moth with 'hairy' red hind legs, opaque front wings, and clear hind wings with dark veins. Unlike most moths, they fly about the plants during the daytime, appearing more like a paper wasp than a moth. Adult moths begin to emerge about the time the plants begin to run, and moth flight continues through mid-August. The small brown eggs, laid individually on leaf stalks and vines, hatch in seven to 10 days. The newly hatched larva immediately bores into the stem. A larva feeds for 14 to 30 days before exiting the stem to pupate in the soil.

To protect vines from damage, commercial growers often treat for squash vine borer every 2 weeks beginning in mid-May through the end of July. Sprays are used to prevent larvae from infesting vines; once eggs hatch and larvae tunnel into vines, it is not possible to control them with insecticides.

Home gardeners can use insecticide sprays or floating row covers to protect vines. Insecticide examples are Bonide Eight, Ortho Max Lawn & Garden Insect Killer, and Bayer Multi-Insect Killer. If you use row covers, they need to be removed for a 2-week period to allow for pollination during bloom; after this, row covers can be placed back over plants

To learn more about controlling garden insect pests, contact the Estill County Cooperative Extension Service at 723-4557.

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**ABOVE:** County agent Eric Baker conducted a farm equipment safety demonstration showing the potential injury from unshielded PTO shafts. Farm Field Day was a success and made possible by sponsorship from Citizen's Guaranty Bank, Farm Credit Services, Estill County Conservation District, Estill County Farm Bureau, US Bank, Mt. View Veterinary Clinic, and Hardy Oil. (Eric Baker photo)  
**BELOW:** One of the wagons returns from the farm tour at the Danny and Cindy Callahan Farm.



# Postseason Awards Continue for Lady Engineers

**MIKE WISEMAN**  
Estill Tribune Sportswriter

Even though the 2017 Lady Engineers season ended with a first round loss in the 14th Region Tournament two weeks ago, several Lady Engineers continue to reap the rewards of a great season. Last week's edition featured seven Ladies named to the first team All State All Academic team. Coaches, teachers, parents, and recipients should be very proud of this award. Way to go girls!!

This past week, Taylor Wiseman was named to the Class AA Second Team All State by the Kentucky Softball Coaches Association. Taylor, daughter of Billy and Jennifer Wiseman, was a senior on the 2017 Lady Engineer Team. She led the team in almost every offensive category this year. BA-.470, OBP-.515, SLG-.639, OPS-1.154, RBI-30, Hits-39, 10 multi-hit games.

Taylor was also named to the East Senior squad for the 2017 East/West

All-Star Series that will be held at the University of the Cumberland on June 16-18. Congratulations Taylor, you make the Engineer Nation proud. (More on Page 15)

Abby Winkle, a senior shortstop on the 2017 Lady Engineer squad, was recently voted on the 2017 14th Region All Tournament Team. Abby, daughter of Jamie and Michelle Winkle, was also named to the 14th Region All Star Team for the Southeast Section 4 Showcase to be held at Magoffin County High School on June 21st. The Showcase will feature all star teams from Regions 13,14,15, and 16. Abby ended the season with a .380 BA, 5 doubles, 28 runs, 14 RBI, and a .474 OBP. (More on Page 15)

McKinley Meek, daughter of Scotty and Kaye Meek, was also nominated to play in the Showcase. She also had a great season at the plate with a .333 BA, 9 doubles, 2 HR, 23 RBI, 20 runs and 9 multi-hit games. Three juniors from the 2017 Lady Engineers team will also display their talents in the Showcase.

Sarah Wiseman, daughter of Mike and Clars Wise-

man, continued her red hot hitting from a year ago by putting up some big numbers at the plate along with taking over catching duties behind the dish. She finished the year with a .379 BA, 12 doubles, 1 HR, 25 RBI, .558 SLG, .981 OPS, 9 multi-hit games.

Lindsay Wood, daughter of Danny and Margaret Wood, flashed a gold glove all year long in the field and put up some impressive numbers out of the lead off spot. She finished with a .375 BA, 39 hits, 14 RBI, 36 runs, 25 stolen bases, and a team leading 13 multi-hit games.

Kaylee Covey, daughter of Brian and Tracy Covey, had a good year with the bat but a great year on the mound. She finished with 17 wins and a 3.40 ERA. She recorded 255 strikeouts in 178 Innings and had 11 games with double figure strikeout totals. She threw three 1 hitters and recorded 1 no hitter on the year. She had a season high 17 strikeouts against Breathitt County. At the plate, she finished with a .305 BA, 25 hits, 11 RBI, 14 BB.

Congratulations Ladies on a season well played!!

## Stickeler's Puzzle



Below are four squeezer puzzles. Can you find the correct word to be placed in the middle of each to create two new words, one front-end, one back-end? Here's an example of how it works:

- ever **G R E E N** horn
- 1) lock \_\_\_\_\_ ladder
  - 2) clothes \_\_\_\_\_ laugh
  - 3) clip \_\_\_\_\_ walk
  - 4) chop \_\_\_\_\_ hold

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Stickeler's Answer on Page 12

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