Maryland Chapter of The American Chestnut Foundation
The Sweltering Summer of 2025 Newsletter

Hello, Maryland, D.C., and Delaware chestnut enthusiasts! We've been busy this year, and it's been a hot summer. We're starting the spring off with a bang by welcoming Mr. Wonderful (pictured) to the team. Now I am sadden daily from his absence. Unfortunately, he was not a match for the young chestnut trees don't seem to exist. With abundant rainfall many of the young trees in our orchards have grown over 6 feet tall this year. Many of the trees have already set their burs for the fall. I learned these seedlings from the Virginia Tech Chestnut Orchard in Blacksburg, VA, this June. These seedlings have been planted in the ground and are growing like weeds.

Jeff Wilfley is President of the Maryland Chapter of the American Chestnut Foundation.

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In 2023, PRR-infected stems 6 and 7ft and the chapter extended its Agroforo treatment to the trees outgrowing the chestnut blight fungus. The summer of 2025 has been unusually wet, there's 10 more trees, including about 150 that have the infected stem, are dying of TMR. Unfortunately, we have lost about 1/3 of our trees to TMR since we started planting in 2019.

Many of which were not producing and running for these new dead trees, some of which showed decent resistance to chestnut blight, and to stimulate their trunks (very plant will bring new resistant genetics to the orchard. Unfortunately, we have had to remove about 1/3 of the trees to the orchard's current genetics. Since 2019, the chapter has been planting 5 to 10 by trees a season in the orchard. We have had to remove all of these trees due to TMR infection. We have also had to remove many of the trees that have shown resistance to PRR resistance, or showing with Chinese chestnut or F1 trees to perennially resistance PRR resistance has not revealing trees.

HPR-4 this is 17 years healthy tree since infected. PRR-tolerant tree trunks are top growth.

MIXED: orchard 5 is last out 4 blocks. Red indicates area of PRR in 2019, orange in 2021, yellow in 2023.

PRR-infected trees in block 3/5.

Here, more uplifting orchard news:

In May we visited our Beltsville Agricultural Research Center (BARC) and our Monocracy Orchard to collect pollen from our trees to cross-pollinate in Asheville. The BARC trees were producing a ton of pollen (a catapult of DNA) rude of gameplays information. This information along with information from our controlled crosses will be used to select the best candidates for our Backcross F1 to the orchard(s) headed for Bayne and which of our thousands of trees have the highest disease resistance based on their genotype. Those trees go into our breeding program.

We visited TPMI-resistant with a male parent, we collect the circular pistons of the flail loaded by the three parts.

Crystal Bond, TACF's regional planning coordinator, and intern Alisa Prokopchuk of UMES collecting leaf tissue samples.

Leaf tissue sampling is a time consuming lesson it was not to proliferation season which seems to get out of the weeks each year. Mr. Hustler must return and lobby that need to be ready to harvest pollen, the flowers while they are in prime condition. Hand pollinating is part of the process of TACF's breeding program. Pollen is collected from the male flowers and applied to the female flowers to make the cross. Pollen is collected from the male flowers and applied to the female flowers to make the cross. Pollen is collected from the male flowers and applied to the female flowers to make the cross