

Field sample sites

- England
- Kulp
- Rock Springs



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- Scale

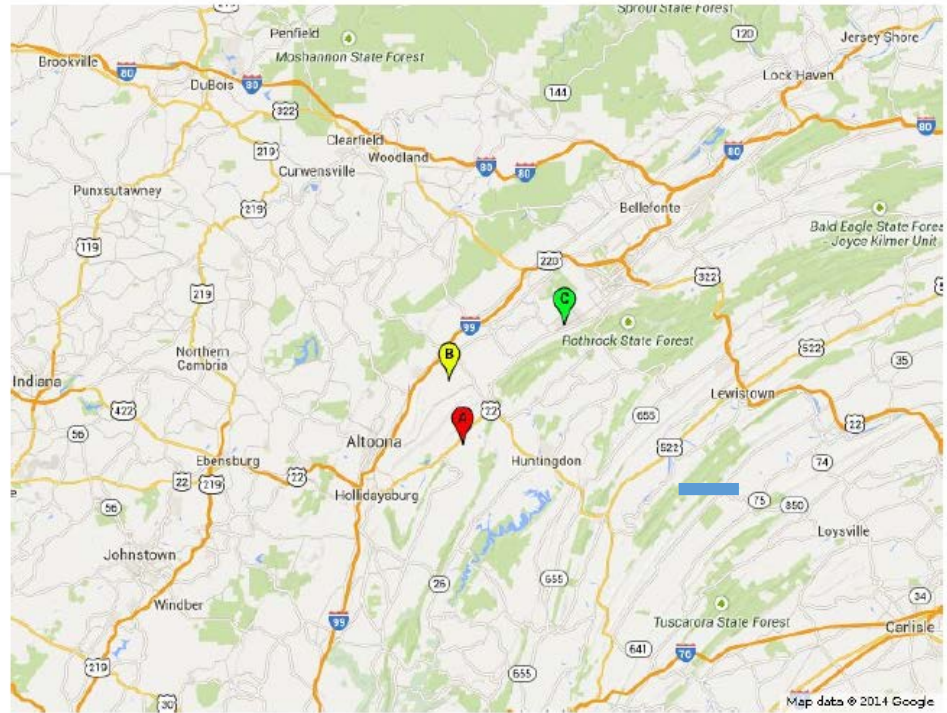


Figure 1. Three sites sampled in 2014 in Pennsylvania with the site names (England, Kulp and Rock Springs). Above: location in the state, Below: Detailed location and scale. Blue scale = 7.45 mi = 12 km.



Figure 2. Right-above: Shoveled and washed root crown. Left-above: Inside of the crown, showing the first whorls (second and third) that have been cut. Below: roots from the second and third whorls evaluated for root rots. The percent of the root length affected by roots was measured in the first 10 cm from the base.

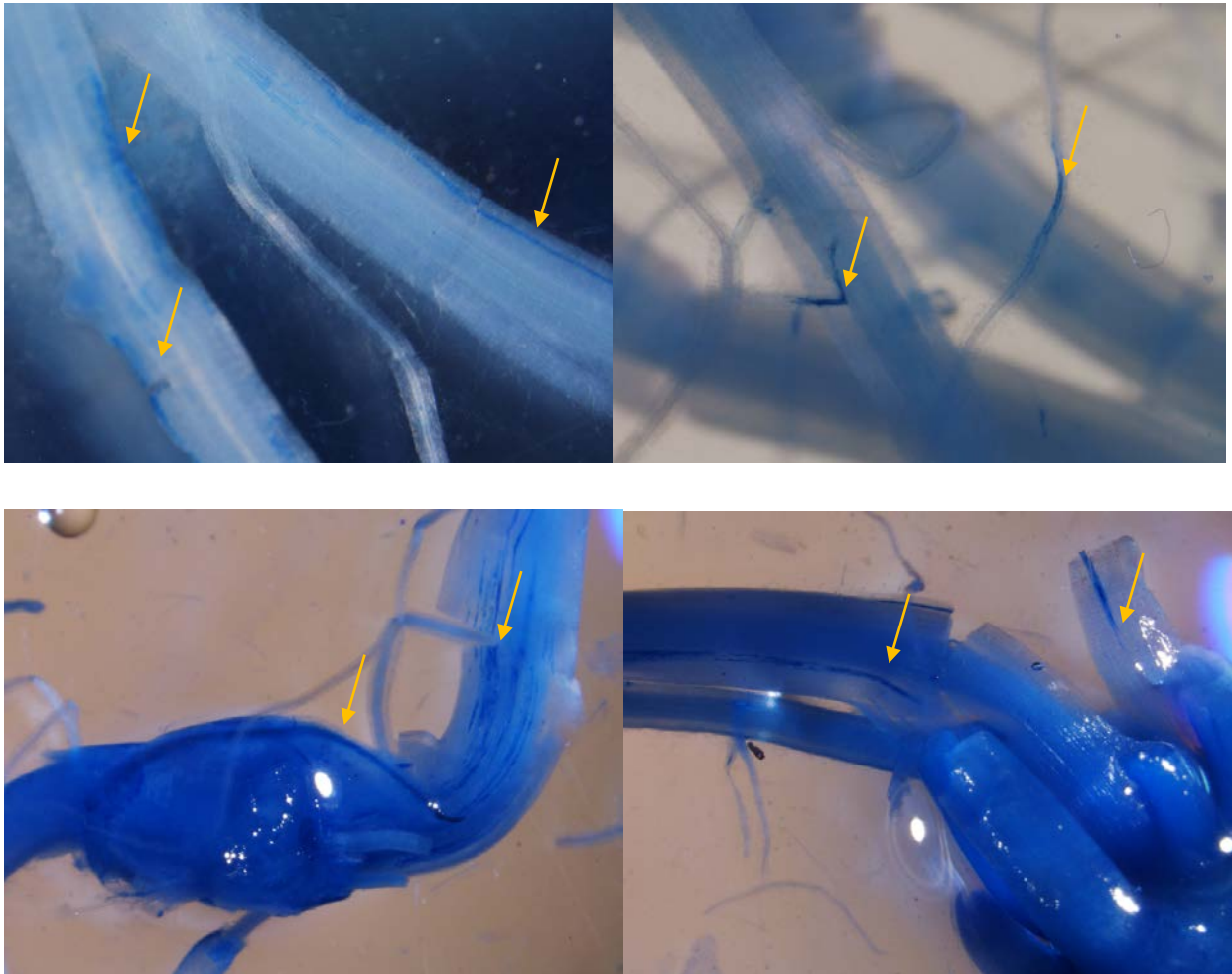


Figure 3. Primary root infected with *F. verticillioides* spores in the soil (above), and in the seed (below). The yellow arrows indicate infection or damage points.

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