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Optimizing Greenhouse Corn Production: What If Roots Need to Be Clean for Analysis?

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What if roots need to be clean for analysis?

Some researchers need to analyze roots, or want roots free of debris prior to transferring into hydroponic systems. We did not examine this aspect formally, but pulled up some extra plants during studies to see if root systems came out clean. Roots growing in calcined clay granules (Turface, Profile) were easier to extract cleanly.

Left: Roots of plant grown in Turface and rinsed with RO water. Right: Close up of root of seedlings grown in (left to right) 1:1 field soil / soilless mix; 1:1 Turface / medium vermiculite; Turface ; Profile; coarse vermiculite.