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### SCN Cyst Extraction from Greenhouse Cultures (crocks)

## Casey A Schlenker<sup>1</sup>

<sup>1</sup>The Ohio State University



Casey A Schlenker

#### **ABSTRACT**

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## OPEN ACCESS



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Protocol status: Working We use this protocol and it's working

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#### **MATERIALS**

Preparing Green House Cultures for Cyst Extraction

- 1. Gardening shears
- 2. Cart
- 3. Gloves
- 4. 3-gallon bucket

#### SCN cyst extraction

- 1. Petri Dishes, small, 60x15mm
- 2. Trays
- 3. 20 and 60 Mesh Sieves
- 4. 3 Gallon Waste Bucket
- 5. Gray Bucket
- 6. White Plastic Cutting Board with Hole
- 7. Wash Bottle, Wide Nozzle
- 8. Plastic Dish Apron
- 9. Gloves

### Cleaning the crocks

- 1. Gloves
- 2. Scrub pad
- 3. Pipe Cleaner
- 4. Bleach

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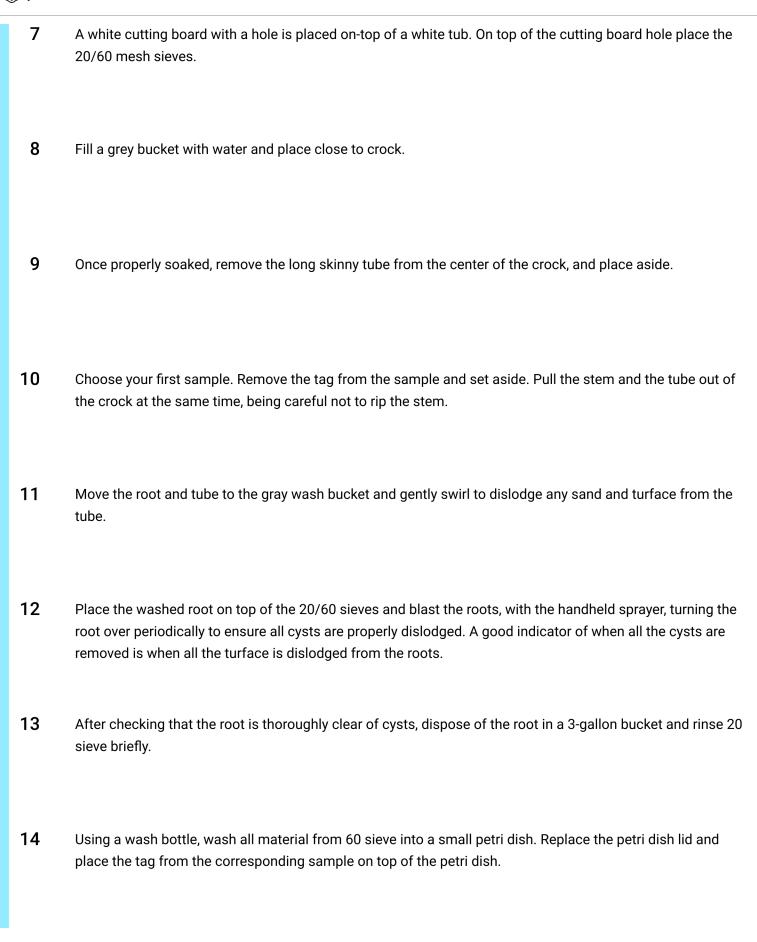
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- 1 Put on gloves to protect hands before beginning preparation
- 2 Using gardening shears, clip off all of the stems on the chosen soybean plant, leaving behind 1-2 inches of the stem. Place stems in the 3-gallon bucket.
- 3 Place crocks on cart for transport back to the lab. Dispose of the soybean clippings in either the steam cart or the compost.

### **SCN** cyst extraction

- 4 \*Once you begin this process for a crock you must finish the whole crock within the work day.
- **5** Lay out small petri dishes on a tray and set aside.
- **6** To begin collecting cysts from greenhouse cultures, flood the crock gently with water. Utilize the faucet with long rubber tubing.



**15** Repeat steps 6-10 with the remaining tubes.

# Cleaning the crocks

- To clean the crocks, you must thoroughly wash all growing substrate and plant matter out of the crock. Scrub the crocks to ensure all previous plant material is removed.
- Place all the pvc tubing into the crock (22 in total, 1 long tube) and fill 80% with water. Fill the rest of the crock with bleach. Let sit for a minimum of 24 hours.
- **18** Drain and let dry.