

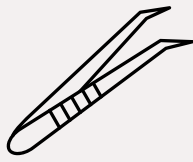
8-STEP GUIDE FOR COLLECTING & SUBMITTING SUSPECT NWS LARVAE FOR IDENTIFICATION:

1



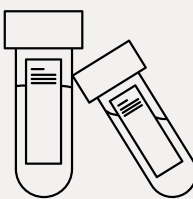
PHOTOGRAPH THE WOUND BEFORE COLLECTING LARVAE
Submit photos by email to nws.info@ag.ok.gov or by text to
Dr. Gorczyca-Southerland (405) 397-1187
Dr. Parrott (405) 437-5719

2



COLLECTING THE SAMPLE
Using forceps, collect a **variety** of 10-20 larvae per animal from **varying depths** of the wound and place into a container that can withstand high temperatures.
DO NOT POOL SAMPLES from multiple animals.

3



KILL, PREP, & PRESERVE THE SAMPLE FOR IDENTIFICATION
Obtain hot water just below boiling (180–200°F) and pour it over the larvae. The larvae should die within 15–20 seconds. Remove the dead larvae with forceps and place them on a paper towel to dry for a few seconds. Then transfer them to a labeled vial containing alcohol (at least 70% concentration). Label the vial with the animal's name or ID.

4



VISIT OADDL'S WEBSITE FOR:
1. OADDL Submission Form
2. Shipping label for **overnight delivery**, or the method that is **the most expedited for your area**
*using a prepaid label allows OADDL to bill ODAFF AIS for the cost of shipping

5



COMPLETE NWS INVESTIGATION WORKSHEET
Monday – Friday, 8 a.m. to 5 p.m., AIS Administrative personnel will be available to take worksheet information by phone. If after hours or unable to speak with AIS Administrative personnel regarding the sample submission, complete the NWS Investigation Worksheet and email a copy to nws.info@ag.ok.gov or complete the [online report form](#) from the QR code here:

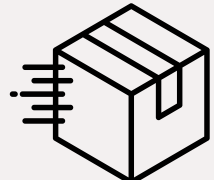


6



EMAIL NWS.INFO@AG.OK.GOV THE FOLLOWING:
1. Copy of OADDL Submission Form
2. NWS Investigation Worksheet **or** complete the online form (if completed after hours or unable to speak to AIS Administrative personnel)
3. Tracking Number of the sample package (**shipped overnight**)

7

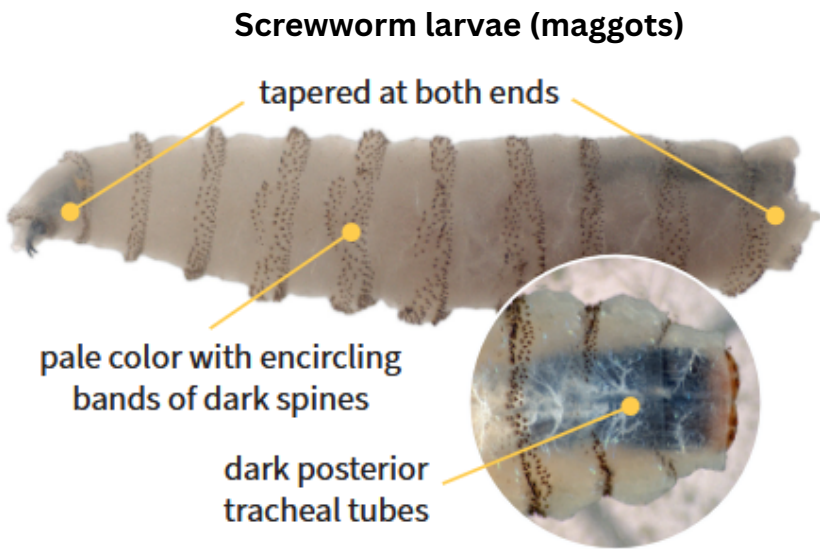


SUBMIT SAMPLES FOR IDENTIFICATION
Use a padded envelope or appropriate packaging for **overnight** submission of larvae samples to OADDL, that includes the OADDL sample submission form.
OADDL should receive the sample within 24 hours of collection, or as quickly as possible.

8



DESTROY REMAINING LARVAE
Not all larvae within the wound must be collected for ID. Destroy remaining larvae by pouring boiling water over them, freezing, or incineration.



credit: <https://www.aphis.usda.gov/sites/default/files/nws-pest-card.pdf>

HELPFUL RESOURCES:

- **USDA NWS Page**
[screwworm.gov](https://www.screwworm.gov)
- **ODAFF NWS Page**
<https://ag.ok.gov/nws/>
- **OSU Extension NWS Page**
<https://extension.okstate.edu/programs/livestock-entomology/new-world-screwworm-info>
- **OADDL**
<https://oaddl.okstate.edu>
- **ZOETIS Manual for NWS Myiasis**
www.zoetisus.com/conditions/multi-species/new-world-screwworm/

MUST DOs and FYIs

1. **NOTIFY** ODAFF AIS of suspect NWS
2. **COLLECT** 10-20 larvae of varying size, shape, and depth within the wound.
3. **DO NOT POOL SAMPLES** from multiple animals.
4. **PRESERVE CORRECTLY.** (Step 3)
5. **SHIP OVERNIGHT WITHIN 24 HOURS OF COLLECTING** and send ODAFF AIS the tracking number and copy of OADDL Submission Form.
6. **DESTROY** remaining larvae.