



# QualityPro Public Health

## Standards for Mosquito Service Certification



Want a way to demonstrate your mosquito services meet a standard of excellence? Submit your mosquito service protocols, service agreements, and marketing materials that demonstrate the following components of a mosquito management program are in place to [qualitypro@pestworld.org](mailto:qualitypro@pestworld.org).

**Prerequisites: Company must be QualityPro accredited and in good standing.**

**Submit the following information with your initial submission and annually thereafter:\***

- Describe the mosquito licensing/certification requirements for your state(s) that you will need to comply with in order to implement this program. Consider the following:
  - Category and subcategory licensing
  - Aquatic licensing
  - Must you submit a Notification of Intent (NOI)?
  - Might your service area fall under a General Discharge Permit for water applications of a certain acreage?
  - Are there neighbor notification / drift laws in your state?
  - Contact information for an individual at your nearest mosquito abatement district (if present within 300 miles):
    - Do they conduct mosquito surveillance? Yes or No
    - Do they conduct pesticide resistance testing? Yes or No
- For each county you service, submit a list of which of the following mosquito species are present:
  - *Aedes*
    - *albopictus*
    - *aegypti*
    - *triseriatus*
    - *vexans*
    - *sollicitans*
  - *Culex*
    - *pipiens*
    - *quinquefasciatus*
    - *tarsalis*
    - *nigripalpus*
  - *Anopheles*
    - *quadrimaculatus*
    - *freeborni*
    - *crusians*
  - *Coquillettidia*
    - *perturbans*
  - *Psorophora*
    - *columbiae*
    - *ferox*
- If the service includes the use of predacious organisms, submit proof of consultation with proper environmental agencies and an environmental impact assessment that includes where the species can be released. This is only required before the initial service in a state, not annually.

continued on next page >>





# QualityPro Public Health

## Standards for Mosquito Service Certification

- Submit a copy of the educational information that the customer receives. Information must:
  - describe local mosquito situation, and
  - detail the customer's role in control of the target pest as part of an Integrated Mosquito Management (IMM) program.

*Educational information must be given to the customer directly (print or electronic). Use of CDC- or university-based information is acceptable and encouraged.*

### Submit the following information with your initial submission:

- Submit the scope of service that the customer receives. It must outline the responsibilities of all parties and state that the company makes no guarantee that the purchaser or any persons at the service location will not be bitten by mosquitoes or become infected by mosquito transmitted diseases. Company must retain a copy of the customer's acknowledgement of their responsibilities regarding the service.
- Submit a blank service record/ticket/report that shows evidence that each service record that is held by both the company and the customer will include:
  - Service address,
  - The applicator's name, business address, and pesticide applicator certification number (if applicable),
  - Service date, time of day, and weather conditions,
  - Product name & concentration or Environmental Protection Agency registration number,
  - General location of application and approximate size of area treated,
  - Rate of material applied, and total amount applied,
  - Re-entry/reapplication restrictions, and
  - A space for recommendations for the account manager/homeowner.

*Service records must be available to the client and kept by the company for a minimum of 2 years.*
- Submit a list of PPE and any safety information provided to employees who are performing this service. At a minimum, this must include:
  - Guidance on using a respirator (fit test, care & maintenance),
  - Guidance for heat exposure,
  - Guidance for trips/falls,
  - Guidance for carrying weight,
  - Guidance for encountering dogs/pets,
  - Guidance for mosquito bite prevention, and
  - Proper PPE for the service described.
- Submit any documentation that describes, to your staff, how to perform the service (e.g. service protocol, service records, company training/policy, and scope of service/service agreements). They must demonstrate an IMM approach to mosquito control including the following:
  - Before beginning service, company uses appropriate map scale/GIS data to identify nearby mosquito aquatic habitats/conducive conditions.
  - The initial part of each service includes an inspection by a technician to identify key container types/breeding sites/resting spots that serve as sources for mosquitoes. The findings of this inspection will be made available to the account representative and the on-site contact (if they are not the same person).
    - Procedure includes a list of at least 10 larval habitats for which a PMP must look.
    - Procedure includes a list of at least 5 adult mosquito resting sites for which a PMP must look.
    - Procedure includes a list of common recommendation for reducing pest conducive conditions (both larval and adult).
- Service must include making recommendations for non-chemical control options for targeting adult and/or larval habitats (ex. traps, window screens, air curtains).

*continued on next page >>*



# QualityPro Public Health

## Standards for Mosquito Service Certification

- Company never makes promise or claim of elimination. The following terms are approved for use when describing a mosquito service: abatement, reduction, management and control.
- Service includes either direct application of larvicides or a written justification for why this application is not appropriate at this service.
- Protocol lists the equipment and products to be used.
- Schedule for calibration and maintenance of equipment used in submitted service.
- Description of signage that will be posted before/after the service (as required by the state or voluntarily done by the company).
- If a maintenance program, describe how weather impacts frequency of service visits.
- Service protocol should list conditions that would **prevent** adulticide application, including:
  - Presence of flowers/pollinators, fish, or edible plants,
  - Open doors/windows, or
  - Pets, neighbors in close proximity
  - Weather conditions.

### Applicator and Sales Personnel Training Requirements

- All employees who will apply pesticide for mosquito service must hold the applicable license from the state. No documentation is required to get the service certified, but in an audit, the license of the applicator on the service record will be verified.
- All individuals who perform this certified service must pass the QualityPro public health core exam and mosquito specialty exam at [www.npmatrain.org](http://www.npmatrain.org).
- A refresher exam or continuing education credits may be required to maintain this certification in the future.

### Wide-Area Services

*In addition to what is above, the following standards apply to services performed community-wide. (i.e. many blocks, hundreds of homes, public space, large commercial property, contracted through a municipality, etc.) If the described service involves using a ULV truck unit, airplane, drone or helicopter; these standards apply. No submission is needed initially, but on an audit the following will apply.*

- Submit proof of communication with appropriate municipal agency/district that area-wide application is not already being done or is compatible with the agency/district's efforts.
- Both the location and frequency of applications must be done based on surveillance and meteorological data. Applications are not calendar-based.
- Service must address water bodies, ditches, culverts, etc. on the property.
- Service records include total amount applied year-to-date for each product applied.
- Service records and protocol include meteorological data and the use of this data to time larvicidal/adulticide treatments and re-checks / re-treats following rain.
- Protocol includes maintaining a target species and list of larval habitats anticipated to be found in the contracted service area.
- Protocol includes maintaining a list of mosquito-transmitted diseases, preferred host animals, and disease cycles (amplifying host, reservoir host, etc.) anticipated to be found in the contracted service area.

\*Note: the following agencies/resources may have data that can help you with this part of your submission:

- A local mosquito control district
- Product distributors
- University-based entomologists
- State governments (often Department of Health)
- CDC (<https://www.cdc.gov/ncezid/dvbd/> and <https://wwwn.cdc.gov/Arbonet/MosquitoNET/>)
- Your state mosquito control association / AMCA ([www.mosquito.org](http://www.mosquito.org))
- NPMA entomologists: <https://nmapestworld.org/about-npma/staff/>