



County of San Diego Department of Agriculture, Weights and Measures

Pre-Quarantine Program
Mexican Fruit Fly Quarantine 2022



Agenda

- Pre-Quarantine Program Details
- Who is Eligible?
- Steps to Participate
- Program Participation Costs
- What if Quarantine Expands into my grove?



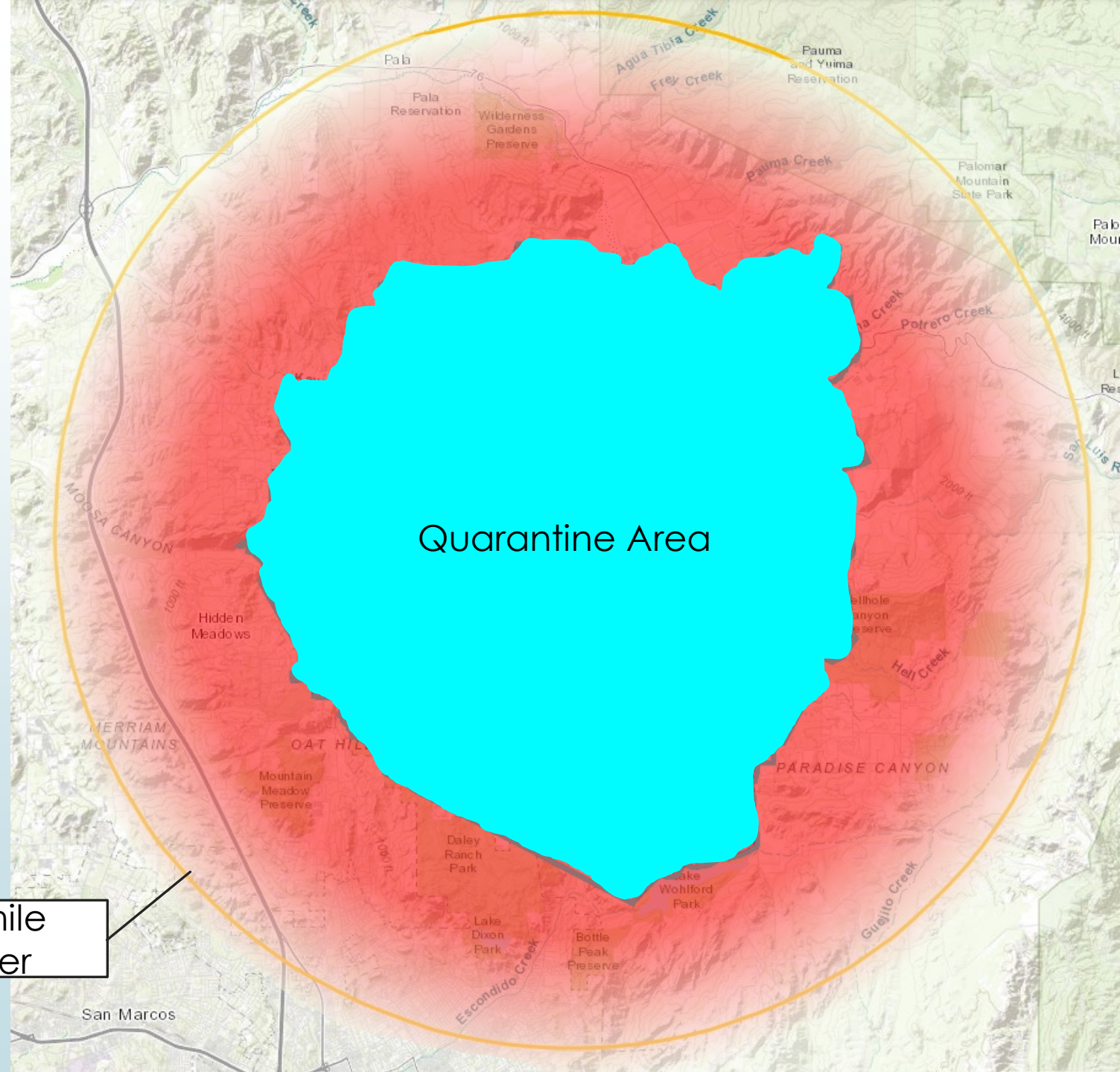
Pre-Quarantine Program Details

- Grower participation is voluntary – business decision
- Discretionary program for AWM
- Purpose – business continuity
 - Meet potential future MexFly quarantine shipping requirements
 - Ensure continued, uninterrupted movement of MexFly host material in the event of a quarantine expansion
- Fee-based program: all fees must be paid prior to next treatment verification

Who is Eligible?

- ▶ Any growers outside of the quarantine area boundary, who plan to harvest host fruit
- ▶ To find out where you are in relation to the quarantine boundary, visit:
<https://www.cdffa.ca.gov/plant/mexfly/regulation.html>

3.5-mile
buffer





Steps to Participate

- Step 1: Operator ID and related documents
- Step 2: Compliance Agreement
- Step 3: Schedule Pre-Harvest Treatments
- Step 4: Conduct the Treatments
- Step 5: Fee-based program: all fees must be paid prior to next treatment verification
- Step 6: Submit Pesticide Use Reports
 - Within 7 days of each treatment
- Step 7: Retain Required Records



Step 1: Operator ID

- ▶ **Operator ID (OPID):** Required to use pesticides to produce an agricultural commodity.
 - ▶ Allows growers to purchase pesticides and report use
 - ▶ **Site ID:** Required for each location where pesticides will be applied.
 - ▶ **Special Local Need (SLN):** Required if using Malathion.
 - ▶ **Cal Ag Permits (CAPs):** Website for submitting Pesticide Use Reports to AWM.
- ▶ Staff available to assist today.
- ▶ No fee for Operator ID issuance.



Step 2: Compliance Agreement

- ▶ **Pre-Quarantine Treatment Compliance Agreement:** Growers agree to ensure compliance with potential future MexFly quarantine requirements.
 - ▶ Must already have OPID and business name must match.
 - ▶ Inspector will explain all requirements and consequences for non-compliance.
 - ▶ Ask questions to ensure your understanding.
- ▶ Staff available to assist today or by calling (858) 614-7770
- ▶ Fee required



Step 3: Schedule treatments

- ▶ After issuing your compliance agreement, your inspector will schedule **pre-harvest treatments**.
 - ▶ Cycle of four treatments must be completed prior to harvest and w/in 30 days IF quarantine were to encompass your grove.
 - ▶ REMINDER- this is a voluntary program and harvest can be done whenever you would like unless your grove becomes part of the MexFly quarantine
 - ▶ Important to schedule all four at once, because if a treatment is missed, cycle starts over.
 - ▶ If you do not schedule in advance, must notify AWM at least 48 hours prior to treatment.
 - ▶ Must follow CDFA Pre-Harvest Treatment Schedule and protocols for host crops within the MexFly quarantine area.
 - ▶ For multiple harvests/crops please work with your inspector to schedule treatments.
- ▶ Compliance Agreement issuance and Treatment Scheduling are fee-based: \$143/hour.



Step 4: Conduct Pre-Harvest Treatments

- Treatment Options:
 - Malathion 8 Aquamul (EPA Reg. No. 34704-474) or GF 120 NF, Naturalyte (Spinosad) (EPA Reg. No. 62719-498).
 - Malathion treatments: every 6 – 14 days
 - Spinosad treatments: every 7 – 10 days
- Treatments cycles begin at least 30 days before harvest (Reminder- you can still harvest at any time as long as you are still outside the quarantine)
 - May be longer depending on temperature and life cycle degree-day calculations
 - The current Pre-harvest Treatment Schedule can be found at:
https://www.cdfa.ca.gov/plant/PE/InteriorExclusion/current_preharvest_treatment.html



Step 4: Conduct Pre-Harvest Treatments

- ▶ Aerial applications
 - a. Pesticide Regulation Program will monitor all aerial applications regardless of treatment cycle.
 - b. Pre-Quarantine inspectors will also observe/verify aerial applications after the first application for purposes of the treatment records. Pesticide Regulation Program inspectors will conduct an inspection as part of their routine regulatory compliance.
 - c. Sensitive sites (schools, daycare facilities etc.) and odor issues may necessitate further review and public outreach prior to aerial applications



Organic agriculture

- ▶ Organic growers have the option to use Spinosad, an OMRI approved product
- ▶ Use of Malathion on a crop certified as organic will result in loss of organic status– use Spinosad as an alternative

Special note about persimmons and pomegranates

Apples, Pears, Plums, Persimmons, and Pomegranates
not listed on the Malathion label or SLN



Step 4: Conduct Pre-Harvest Treatments

- Each treatment during the first cycle will be observed by an AWM Inspector.
 - Inspectors will be ensuring compliance with pre-quarantine and pesticide use requirements.
 - Additional treatment cycles will be observed at AWM's discretion.
 - Inspectors will perform spot checks to verify treatments after the first cycle. If growers miss any treatments then the cycle will need to start over.
- After each treatment, inspector will complete Regulatory Treatment Record, verify submission and accuracy of Pesticide Use Report, verify payment of fees and schedule the next treatment if needed.



Step 5: Submit Pesticide Use Reports

- **Within 7** days of each treatment, Pesticide Use Reports (PURs) must be submitted to AWM.
 - When treatments are not observed, PURs serve as the record to prove your treatment occurred.
 - Submit through Cal Ag Permits.
 - If pest control business performs application for you, they will submit PUR and give you a copy.
- AWM inspector will review to ensure timely submission and accuracy (fee-based activity).

Step 6: Retain Required Documents

- Treatment records
- Product receipts
- Inspection reports
- Pesticide Use Reports



If Quarantine Expands

- ▶ AWM would provide Treatment Records to CDFA
- ▶ CDFA would take over verification of treatments and issue a new compliance agreement
- ▶ After CDFA approval, you would receive credit for any treatments you conducted for your upcoming harvests
- ▶ AWM would also share the compliance agreement document, Operator ID, Pesticide Use Reports and any other documents to verify treatment of your crop



Summary of Costs

- ▶ County Board of Supervisors' full cost recovery policy
- ▶ Each grower will receive a Mexican Fruit Fly Pre-Quarantine Program Invoice.
- ▶ All fees must be paid prior to the next inspection
- ▶ The hourly rate charged to the grower by AWM is \$143 for regular and \$214 for afterhours and weekends
- ▶ There will be fees charged for administration tasks also, such as issuing the compliance agreement and verifying pesticide use reports



Full Cost

- ▶ AWM identified two approaches to funding this program
 - ▶ Full cost
 - ▶ Reduced cost
- ▶ If full cost, then growers would pay about \$1,038 per treatment cycle
 - ▶ Time for inspections/verification of the treatments
 - ▶ Drive time
 - ▶ Administrative tasks



Cost Savings



- ▶ Estimated fees for the first treatment cycle = \$663
- ▶ No fees charged for the first inspection (~\$400 savings = ~40%)
 - ▶ One-time only approach
 - ▶ Why: Board of Supervisors is cognizant of the impacts of the pandemic and economic challenges
- ▶ For the remaining 3 treatments, there is a fee charged for verification/observation time of mix/load and application



Cost for additional treatment cycles

- ▶ After verification of the first treatment cycle (4 applications)
 - ▶ Inspectors may
 - ▶ Conduct spot checks
 - ▶ Inspect mix/load and part or all of the application
 - ▶ Rely on Pesticide Use Records to ensure treatments conducted
- ▶ It is likely that the cost will be less for subsequent treatment cycles if there are no pesticide violations or other issues



Resources

- ▶ AWM webpage for MexFly resources: <https://www.sandiegocounty.gov/awm/mxfq.html>
- ▶ CDFA webpage for MexFly quarantine resources: <https://www.cdfa.ca.gov/plant/mexfly/regulation.html>

Pre-Quarantine Program

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Questions?