

CARB Pesticide Monitoring

Arvin & Lamont Pesticide Subcommittee
September 26, 2023

For Community
Consideration:

Prioritization of
Pesticides

- The following high-use pesticides are suggested for community consideration:
 - Metam-Sodium & Metam-Potassium (MITC)
 - 1,3-Dichloropropene (1,3-D)
- These pesticides are suggested for monitoring because:
 - They are volatile fumigants
 - They are toxic air contaminants (TAC)¹
 - Monitoring and laboratory protocols currently exist
 - These are the major pesticides with high potential impact on the community health

¹ A TAC is "an air pollutant which may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health."

Monitoring Recommendation

- Seasonal, Intensive Monitoring
 - Concurrent sampling during historical high-use periods
 - MITC – Summer peak weeks #24-37 (Mid-June through Mid-September)
 - 1,3-D – Sporadic throughout year (Early February through End of October)
 - Three monitoring locations within community
 - 13 continuous weeks
 - Four consecutive 24-hour samples per week
 - Randomized schedule to include all days of the week

Community Discussion

- Questions?
- Are there pesticide specific areas of concern in the community?
 - Mapping exercise

Resources

- Toxic Air Contaminant List
 - ww2.arb.ca.gov/resources/documents/carb-identified-toxic-air-contaminants
- More TAC Information
 - <https://oehha.ca.gov/air/toxic-air-contaminants>

CARB Contacts

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