

CARB Pesticide Monitoring

Arvin & Lamont Pesticide Subcommittee

January 30, 2024

James Pham

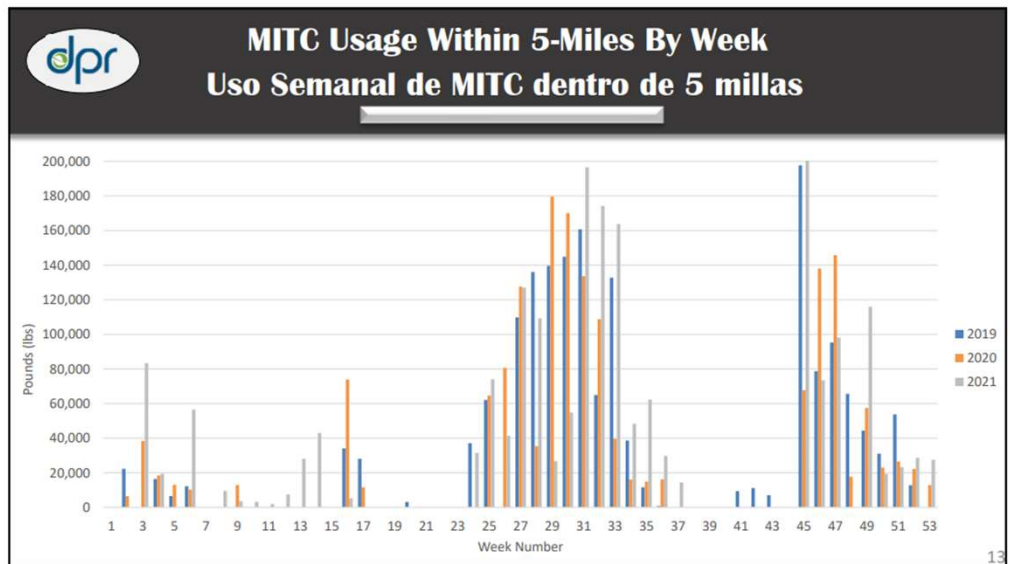
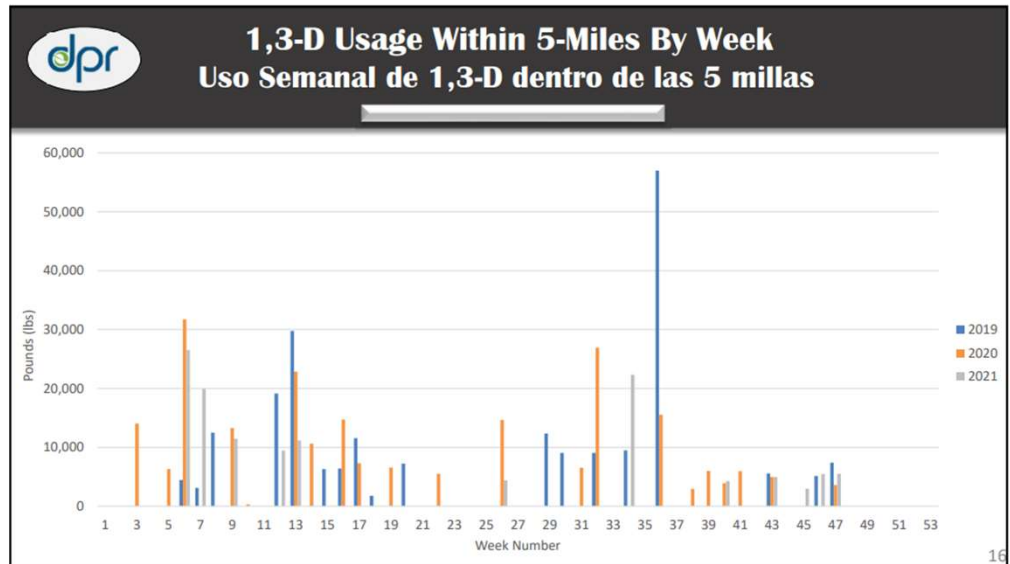
Summary of Recommended Monitoring

- CARB MLD recommends monitoring for the following compounds:
 - 1,3-Dichloropropene (1,3-D)
 - Metam-Sodium & Metam-Potassium (MITC)
- These compounds are recommended because:
 - They are fumigants
 - They are Toxic Air Contaminants
 - Laboratory protocols currently exist
 - They are major pesticides with high potential impact on the community health

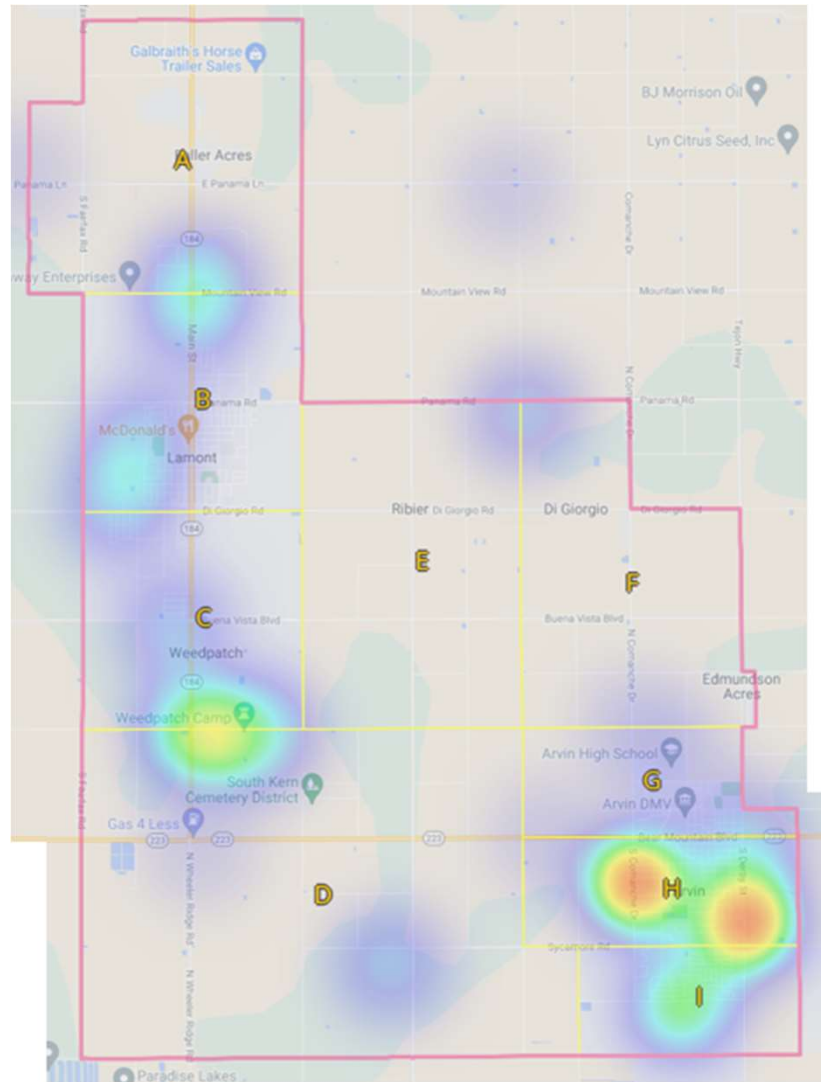
Summary of Recommended Monitoring

- Seasonal, Intensive Monitoring Model
 - Concurrent sampling during historical high-use periods
 - Sporadic use throughout the year based on 2019-2021 data
 - 1,3-D – Peaks during weeks #6, 13, 32
 - MITC – Peaks during weeks #45, 31, 29
 - Three monitoring locations within community boundary
 - One of which will include quality control
 - 13 continuous weeks
 - Four consecutive 24-hour samples per week
 - Randomized schedule to include all days of the week throughout monitoring campaign

High-Use Periods



Community Concerns and Suggestions



Hot spot map based on community identified areas of concern

Siting Requirements

- Inquiring for potential monitoring locations
 - Secure
 - Household power outlet (100-120v)
 - Accessible
 - At least 8 feet x 8 feet of available space
 - Unobstructed airflow

Next Steps

- Continue to identify and visit potential monitoring locations
- Draft monitoring plan
- Develop sampling methodologies

- Finalize and secure sites
- Finalize monitoring plan

Begin monitoring

Community Discussion

- Questions?

CARB Contacts

- CARB Monitoring: James Pham
 - James.Pham@ARB.CA.Gov
- Community Liaison: Michelle Byars
 - Michelle.Byars@ARB.CA.Gov