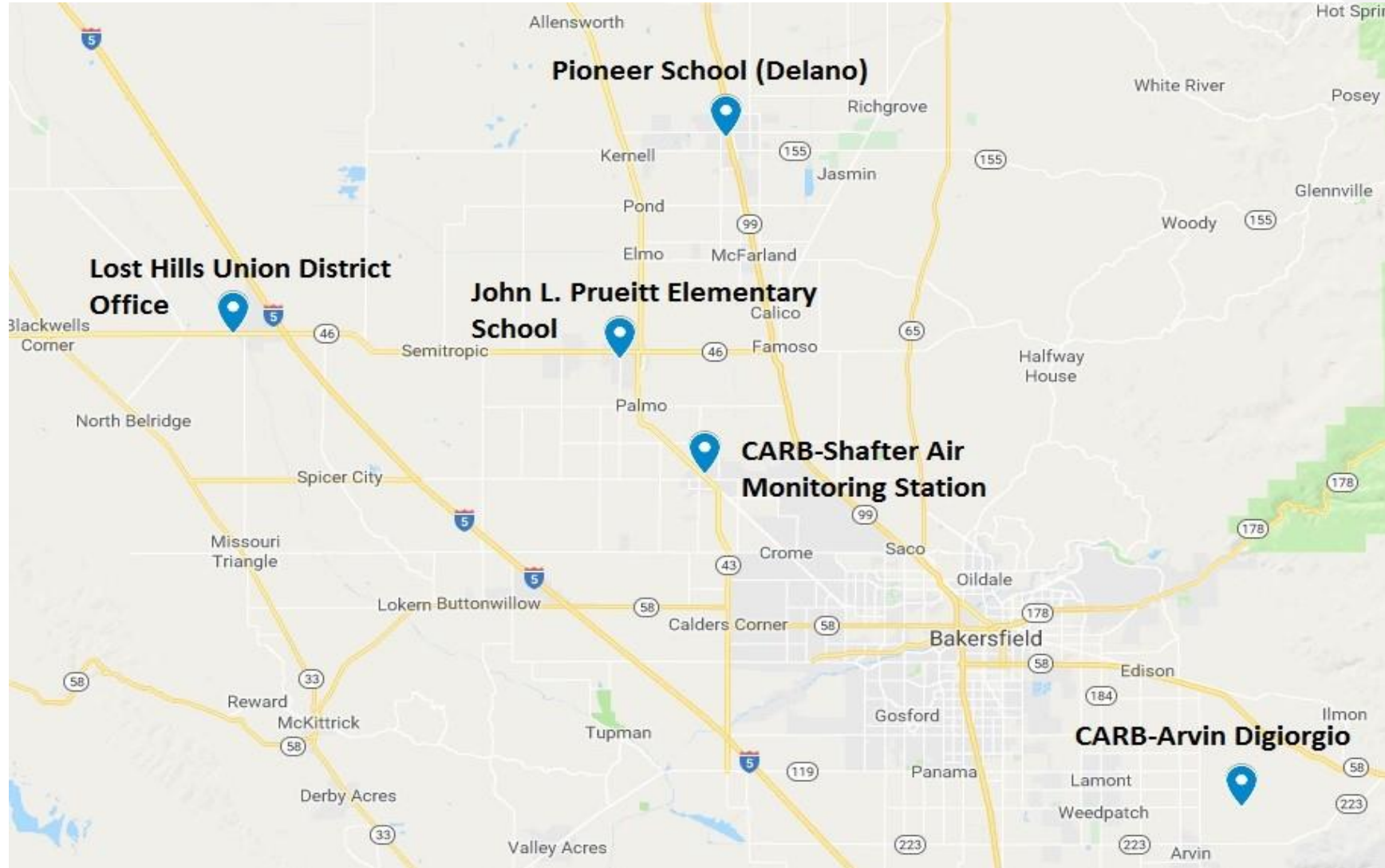


Spring 2018 Seasonal Monitoring for Organophosphate Pesticides In Kern County

- At the request of the California Department of Pesticide Regulation (DPR), in 2018 the California Air Resources Board (CARB) conducted an intensive seasonal air monitoring study for 11 organophosphate pesticide active ingredients.
- The monitoring was conducted in the Kern County communities of Arvin, Delano, Lost Hills, Shafter, and Wasco from March 12, 2018 through May 18, 2018.
- Of the eleven pesticides included in this study, chlorpyrifos was the pesticide detected at the highest frequency (67 out of 197 samples collected [34%]).
- Maximum 24-hr chlorpyrifos concentration detected in this study was 126 ng/m³ at the Arvin sampling location on 3/18/2018. The 24-hr screening level of 1,200 ng/m³ was not exceeded.

Sampling Locations



Monitoring Results

Pesticide	Maximum 24-hr Concentration (ng/m ³)	Monitoring Site of Detection	Screening Level (ng/m ³)
Chlorpyrifos	126	Arvin	1,200
Chlorpyrifos OA	Trace	Arvin, Delano	1,200
Diazinon	12	Delano	130
Diazinon OA	Not detected	-	130
Malathion	20	Arvin	112,500
Malathion OA	Trace	Arvin	112,500
Dimethoate	Not detected	-	4,300
Dimethoate OA	Not detected	-	4,300
DEF	Trace	N/A	8,800
Dichlorvos (DDVP)	40	Wasco	11,000
Phosmet	15	Delano	77,000