

2017 

CALIFORNIA SCHOOL AND CHILD CARE  
PESTICIDE USE REPORT SUMMARY

# THE HEALTHY SCHOOLS ACT

Food and Agricultural Code section 13182: It is the policy of the state that effective least toxic pest management practices should be the preferred method of managing pests at schoolsites and that the state, in order to reduce children's exposure to toxic pesticides, shall take the necessary steps, pursuant to this article, to facilitate the adoption of effective least toxic pest management practices at schoolsites.

Joseph Damiano- Pest Management and Licensing Branch Chief

Lisa Estridge- School & Child Care IPM Program Manager

For further information, please contact:

1001 I Street, P.O. Box 4015

Sacramento, CA 95812-4015

Phone: (916) 445-2489

E-mail: [school-ipm@cdpr.ca.gov](mailto:school-ipm@cdpr.ca.gov)

Visit our website at: <http://apps.cdpr.ca.gov/schoolipm/>



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# About Us

We are happy to present you with the 2017 California School Pesticide Use Report Summary, which provides an overview of pesticide use at California schoolsites. We use this information to identify pest management problems at schoolsites and to inform our outreach efforts.



The School & Child Care Integrated Pest Management Program provides compliance assistance for the Healthy Schools Act to school districts, child care centers, and pest control businesses. Our Program is committed to helping schoolsites achieve their pest management goals through effective pest management practices using the least toxic approaches.



OUTREACH & EDUCATION



Sincerely,

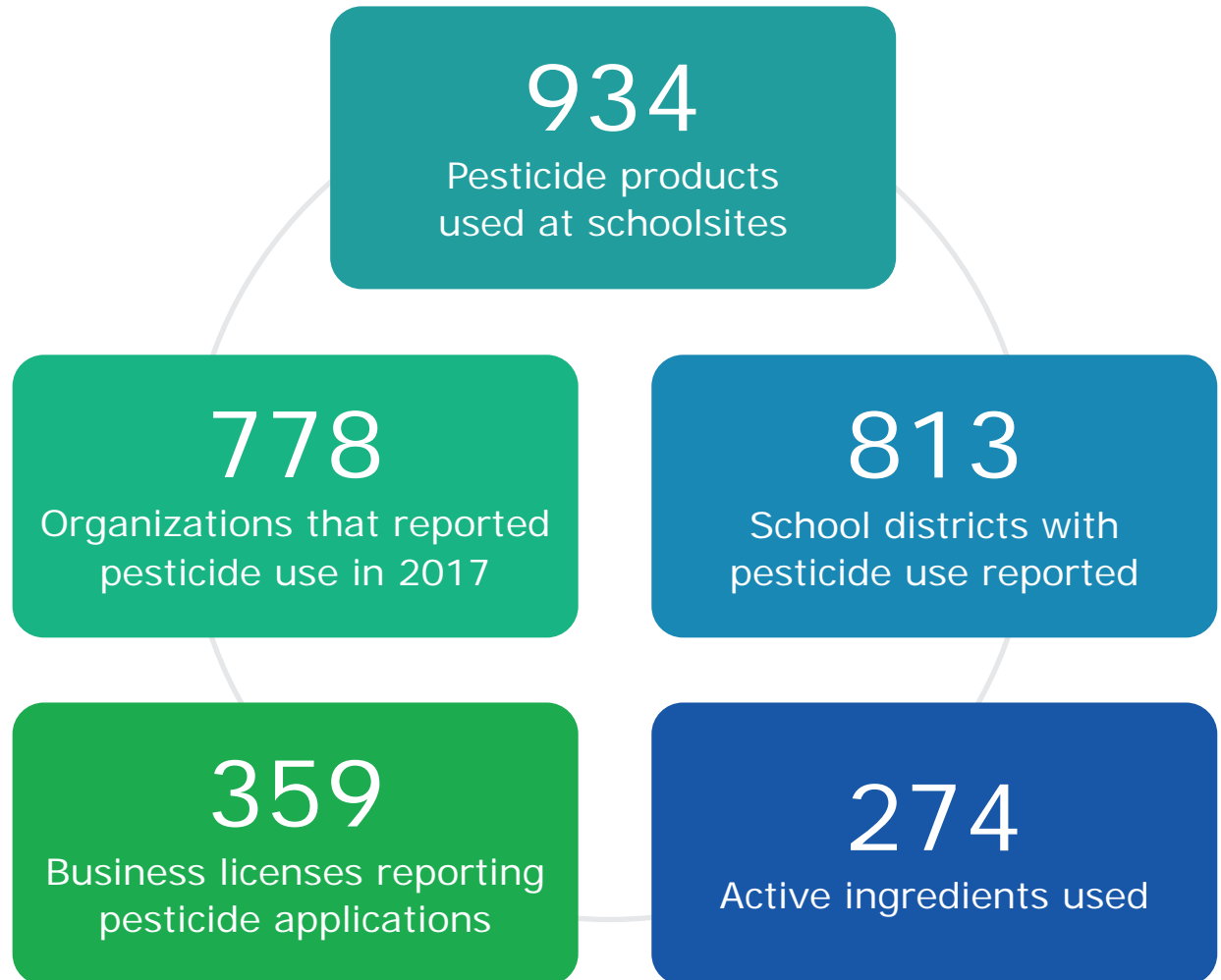
Lisa Estridge



# Introduction

The Healthy Schools Act requires most pesticide applications made at schoolsites to be reported to the Department of Pesticide Regulation. In 2017, our Program focused on improving reporting compliance, which resulted in an increase in the number of school districts and pest control businesses submitting pesticide use reports.

As a result of improving reporting compliance, our Program received more pesticide use reports from schools and child care centers compared to 2016. We received reports from 7,172 schools and 1,802 child care centers across California. Here are some key numbers on pesticide use for the 2017 calendar year.

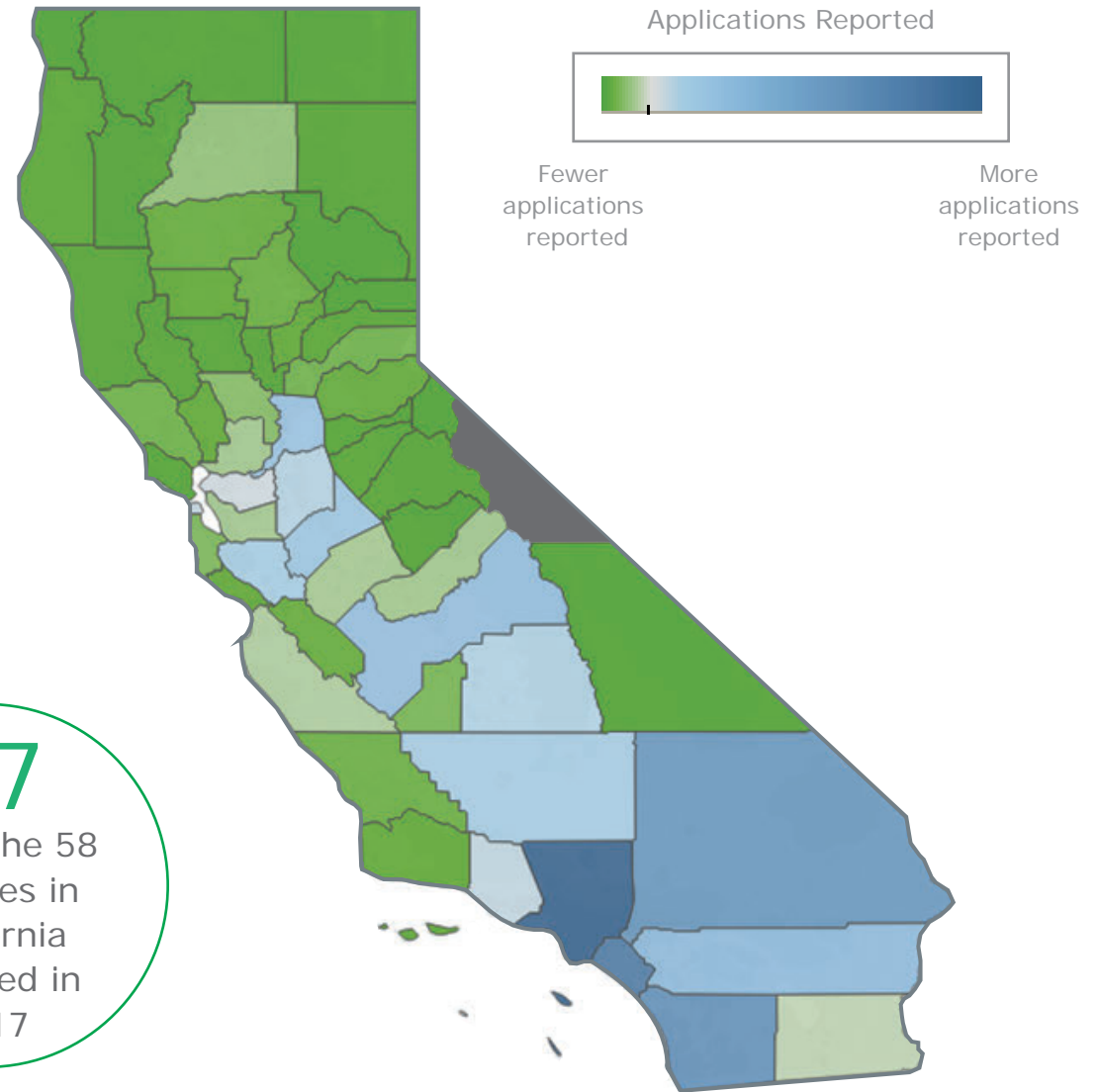


# Pesticide Use By Counties

With a focus on improving reporting compliance, we received reports from 57 out of the 58 counties in California. In this map, counties are colored by the number of reports received. Light greens indicate fewer reports while darker blues indicate more reports.

More applications were reported in the Greater Sacramento, Bay Area, and Southern California counties because of the higher number of schoolsites in these areas.

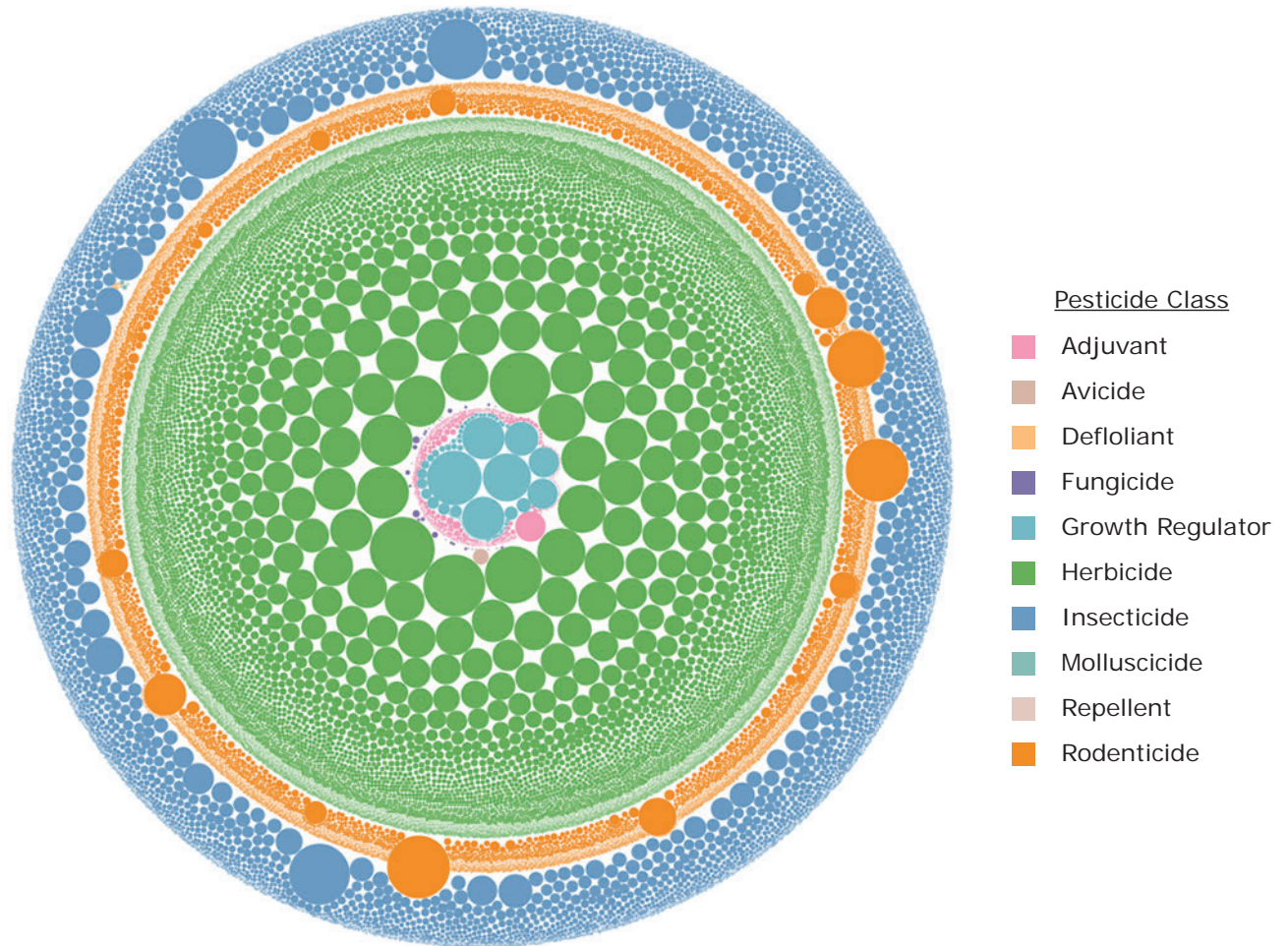
**57**  
out of the 58  
counties in  
California  
reported in  
2017



# A Bird's Eye View Of Schoolsite Pesticide Use In California

This data visualization illustrates all reported pesticide applications made at schoolsites in 2017. Each of the circles represents a single pesticide application. The color represents the pesticide class, and the size of the circle represents the reported amount of pesticide used.

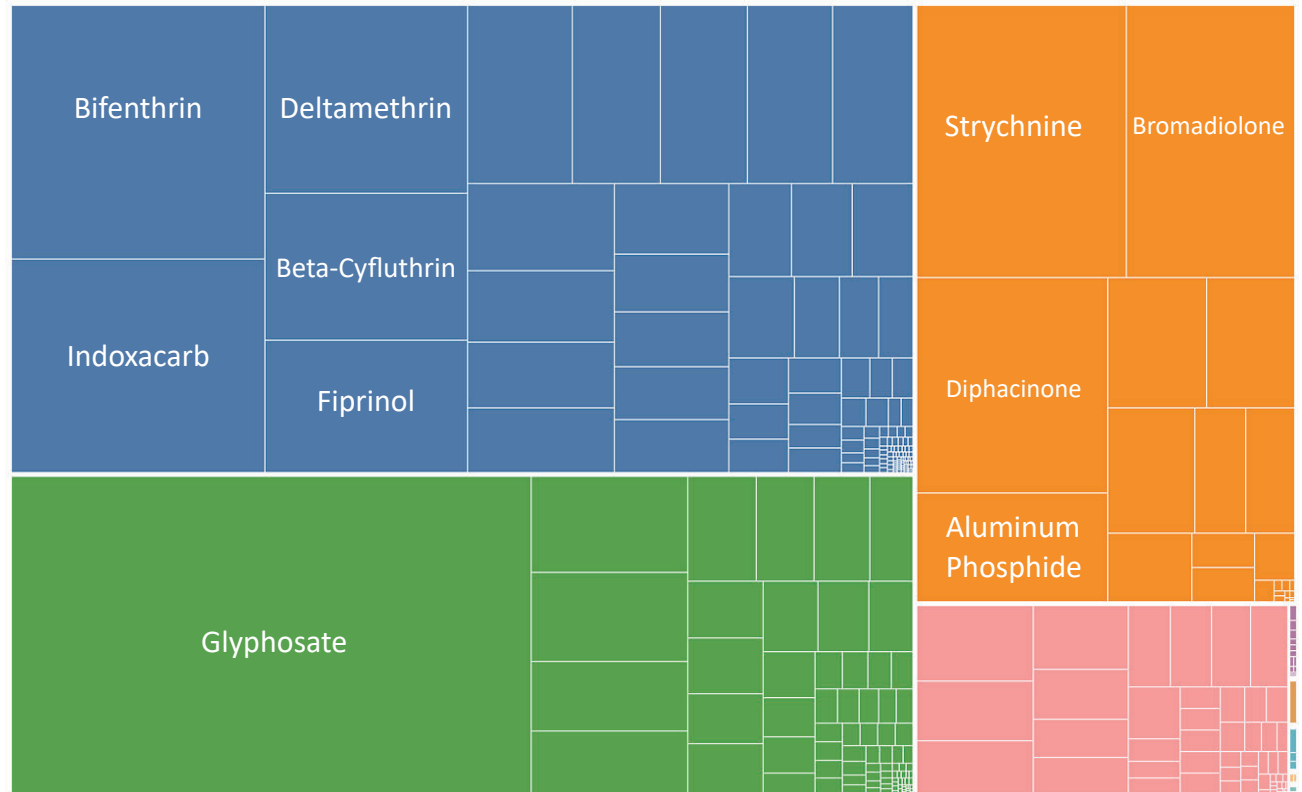
In 2017, 98,522 pesticide applications were reported for public K-12 schools and licensed child care centers across California. Insecticides were the most reported pesticide class, followed by herbicides.



# Active Ingredients Used By Schoolsites

The treemap is organized with each rectangle representing a different active ingredient used by school district employees and pest control businesses. The rectangles are sized by the number of applications reported for each active ingredient with the top 10 reported active ingredients labeled.

Pest control businesses primarily applied insecticides and rodenticides at schoolsites, while the majority of pesticides applied by school district staff were herbicides. In 2017, the most commonly applied active ingredient was glyphosate.



Pesticide Class

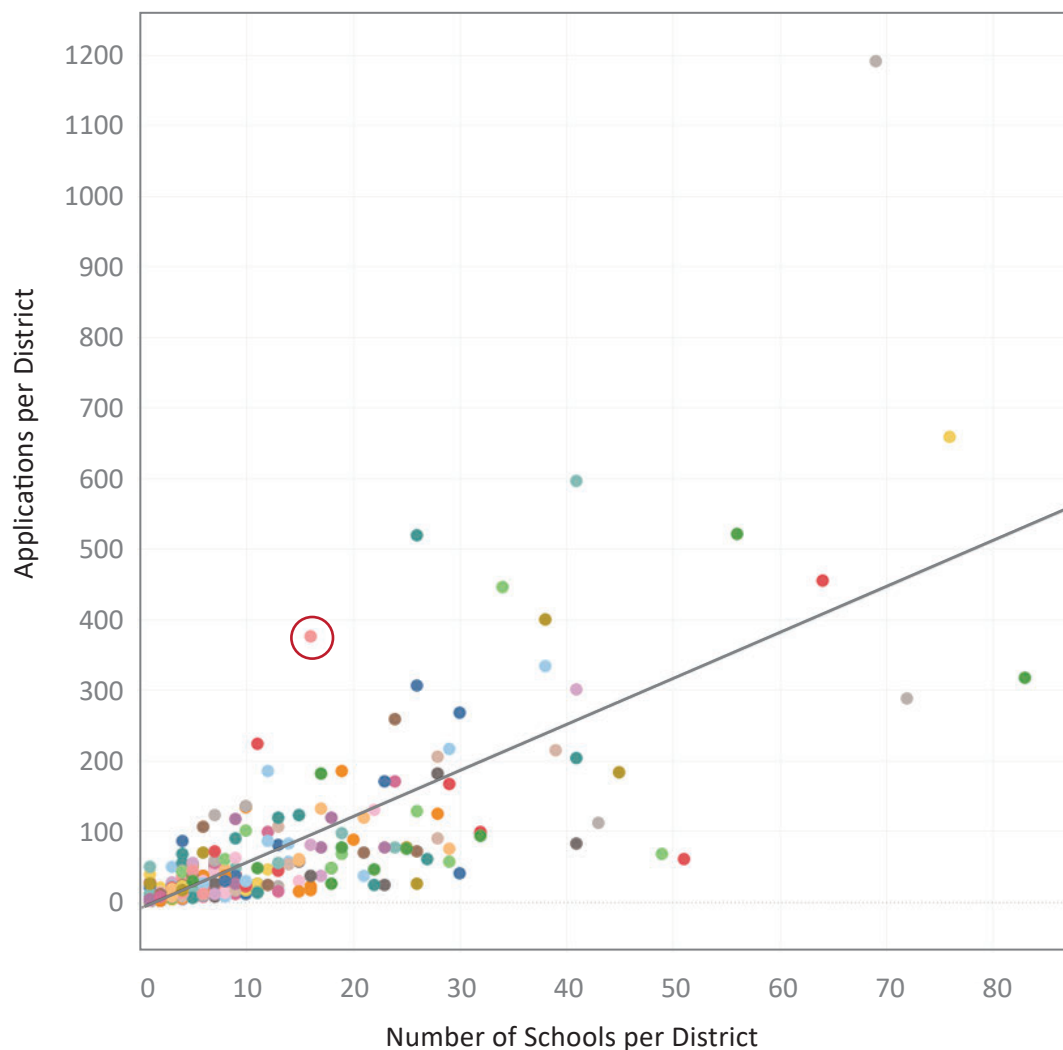
- |   |  |   |   |  |
|---|--|---|---|--|
| <span style="color: #e91e63;">■</span> Adjuvant | <span style="color: #ff9800;">■</span> Defoliant | <span style="color: #4fc3f7;">■</span> Growth Regulator | <span style="color: #4caf50;">■</span> Herbicide    | <span style="color: #cfcfcf;">■</span> Repellent   |
| <span style="color: #cfcfcf;">■</span> Avicide  | <span style="color: #673ab7;">■</span> Fungicide | <span style="color: #3949ab;">■</span> Insecticide      | <span style="color: #80cbc4;">■</span> Molluscicide | <span style="color: #ff9800;">■</span> Rodenticide |

# Performing Targeted Outreach

Due to increasing public concern related to the use of glyphosate, our Program plotted the number of glyphosate applications per district against the number of schools per district that reported use. Each colored circle on the graph represents a different school district.

We found that, in 2017, the average number of glyphosate applications made at a school was 5.4. The indicated circle was a school district in northern California averaging 23.5 applications per school.

After identifying the indicated school district, the School & Child Care IPM Program provided the district with a customized training that included data visualizations based on the district's pesticide use data. Our Program continues to maintain a close relationship with this school district, which will be hosting an upcoming School IPM Workshop for local school districts to attend.



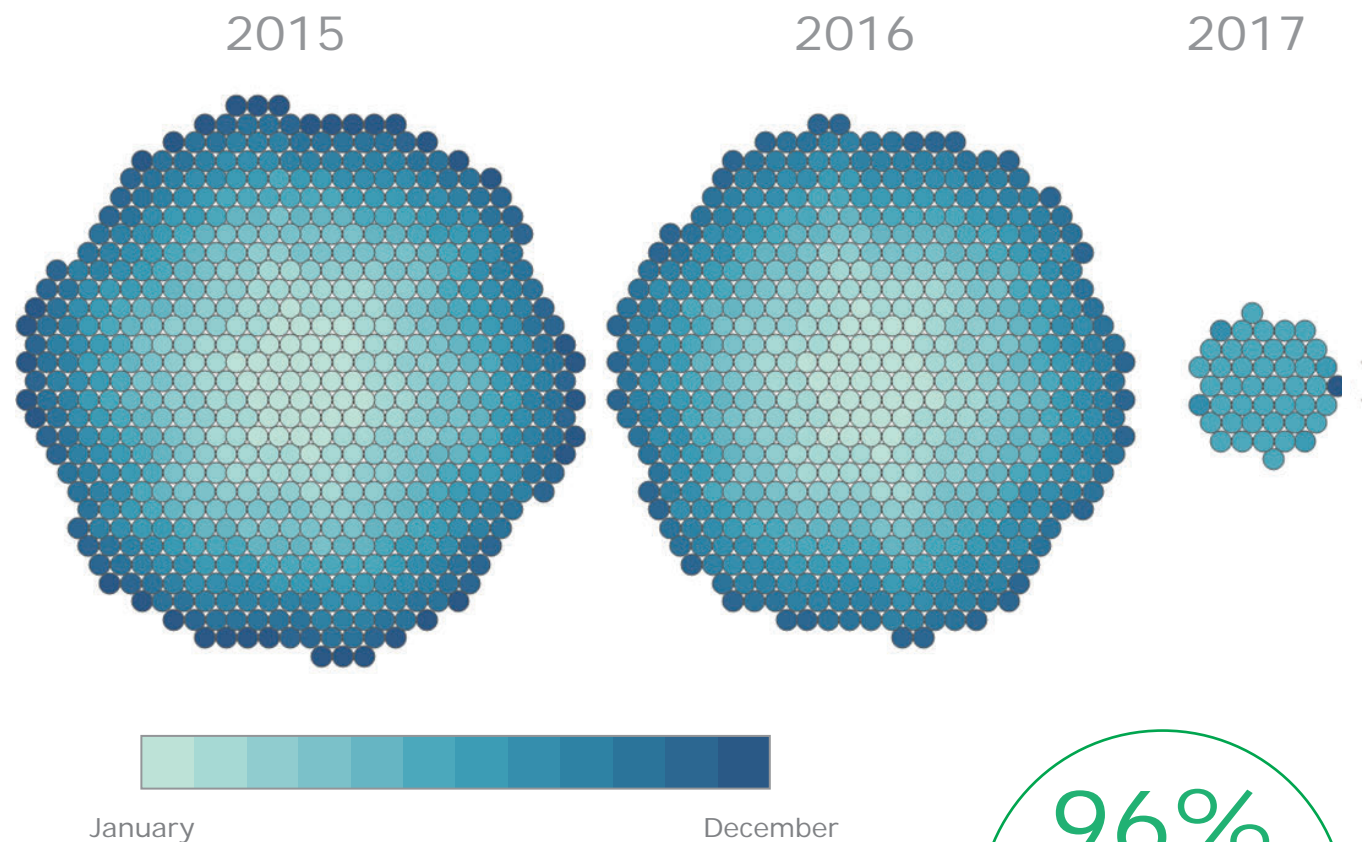


# Working With Our Stakeholders

This visualization takes a closer look at one southern California school district's changes in landscape management practices. Each circle represents a glyphosate application, and the shade of blue represents a different month. Between 2015 and 2016, the district averaged 569 applications each year with applications occurring every month.

After parents began requesting this district look for alternatives, the maintenance and operations team began investing in and trying several non-pesticide methods to manage weeds, such as sealing cracks on pavement and using a weed steamer. Looking at the 3-year trend for this school district, herbicide applications were significantly reduced in 2017.

In 2018, the School & Child Care IPM Program worked alongside the district to host a Weed Management Alternatives Expo for Schools, one of two that year.



**96%**  
reduction in  
the number  
of glyphosate  
applications

# Thank You

In 2017, the School & Child Care IPM Program worked with parents, children, school district employees, and pest management professionals throughout California to provide outreach and education on effective, least toxic pest management practices. We enjoy working with our stakeholders toward this common goal.

Our Program's focus on providing data-driven outreach and training led to building positive relationships with schoolsites which resulted in reduced pesticide use in 2017. We look forward to continue supporting schoolsites with their pest management goals.



School PUR Team: From Left to Right- Byron Tam, Estela Navarro, Madiya Nagin, Karina Campos, Vickie Vang, Denise Villanueva, and Pablo Ortiz





Our mission is to protect human health  
and the environment by regulating  
pesticide sales and use, and by fostering  
reduced-risk pest management.

[www.cdpr.ca.gov](http://www.cdpr.ca.gov)