

## DEPARTMENT OF FOOD AND AGRICULTURE



1220 N Street  
Sacramento  
95814

March 26, 1979

Mr. Herbert W. Chandler  
Agricultural Commissioner  
of Yolo County  
Woodland, CA 95695

Dear Herb

Attached is the proposed plan for the upcoming paraquat monitoring effort during the week of 26 March to 30 March 1979. The plan includes the activities of participants, methodology for monitoring, and approximate time frame.

I would appreciate your review and any input you have.

Please contact me if you have any questions.

Sincerely

A handwritten signature in cursive script that reads "Ronald J. Oshima".

Ronald J. Oshima, Program Manager  
Environmental Hazards Assessment  
Pest Management and Environmental  
Monitoring  
(916) 322-2395

Attachment

## MONITORING PLAN FOR YOLO COUNTY: PARAQUAT DRIFT

A cooperative project between the California Department of Food and Agriculture (CDFA) and the Agricultural Commissioner of Yolo County:

- I. Objective: To determine the quantitative presence or absence of paraquat outside the boundaries of one application site selected by the Yolo County Commissioner's staff between 26 March and 30 March 1979.
- II. Monitoring Plan: The cooperative paraquat monitoring project will be under the overall supervision of Ronald J. Oshima, Program Manager, Environmental Hazards Assessment Program (EHAP), and will involve participation by the Agricultural Commissioner, personnel of the EHAP, and the Pesticide Use Enforcement Unit. Key personnel participating in the project are listed below along with their responsibilities:

Chris Walby and Ralph Shields - Responsible for all technical aspects of monitoring program including: monitoring site inspection, sampling locations, performing the actual sampling, collection and delivery of samples, and post-application damage evaluation.

Doug Okumura - Collection of a tank sample from aircraft prior to first aerial application flight. Provide assistance as possible to Ralph and Chris.

It is understood that the County Agricultural Commissioner's staff will provide locations and dates of upcoming paraquat applications, establish communication with and cooperation of growers involved, and provide documentation of the formulation being applied.

- III. Sampling Methods: Sampling will be limited to chemical analyses for amounts of paraquat settling onto glass fiber filters located in each of 23 sites. This will be accomplished by mounting four 8 x 10" filters onto a horizontal flat surface held at plant height by four stakes. In addition, plant tissue samples will be collected at several times to determine the presence of paraquat.
- IV. Implementation Timetable: A sample site will be selected and visited by CDFA personnel at the earliest possible date.

On the date prior to the scheduled paraquat application, CDFA personnel will stake out sampler locations and take background samples. The morning of the application, CDFA personnel will set out filter papers and obtain a tank sample from the aircraft. Later that day, the same people will remove the filter paper, take tissue samples, and store these immediately on dry ice. All samples will be stored at Sacramento until chemical analyses for paraquat can be performed.

A draft final report will be submitted to the Yolo County Agricultural Commissioner for review at the earliest date possible after chemical analyses are completed.