

# DropVision AG

## Droplet and Swath Analysis Software

DropVision AG is designed for the user who applies liquid products that produce larger droplets associated with **mosquito larviciding treatments, aerial agriculture applications, controlling noxious weeds, and forestry pests**. The technology is ideal for **ground and aerial equipment swath characterizations**, providing detailed droplet data related to droplet size, volume, density, and deposition - some advantages unavailable from other droplet and swath analysis solutions.



### WAYS DROPVISION AG CAN SUPPORT YOUR OPERATION



**Ease of use**



**Reads droplet sizes from 30 to 4,000+ microns**



**Provides swath analysis and downwind drift analysis**



**Dynamic multiple swath results to see "race track" pattern depositions**



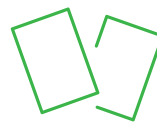
**Analyzes and provides rapid results in the field**



**Supports wide-area larviciding efforts by aircraft, UAS, truck, backpack, & handheld sprayers**



**Internet connectivity not required**



**Option to use water sensitive or kromekote cards**

### A STRONG HISTORY OF AERIAL APPLICATION + DROPLET ANALYSIS TECHNOLOGIES

Almost four decades of experience inventing GPS guidance systems, droplet analysis, and aerial application solutions - and we never stop embracing new technology. Leading Edge's history includes partnerships with government agencies and research institutions to manage vectors, pests, noxious weeds, harmful algae blooms, and more. Our company understands every aspect of pesticide applications, from the regulatory issues at the federal and state levels to the point that a droplet deposits on a weed, on a crop, in the water, or on an insect.



# DropVision AG Technologies

**DropVision AG provides for the efficient data analysis of the droplet spectra produced by aerial or ground based spray systems.**

The system electronically captures images of water/oil sensitive cards or Kromekote dye cards, analyzing each droplet while eliminating background objects, coalesced droplets, or nonqualified droplets through advanced proprietary image analysis algorithms.

## THE SYSTEM INCLUDES:

- A high-resolution portable scanner
- A laptop computer
- DropVision AG Advanced Droplet Image Analysis software
- DropVision AG Graphing & Reporting software

## Rapid Analysis, Proven Cost Savings, and Efficiency

Manually reading droplet cards is time-consuming, labor-intensive, and subjective. DropVision AG can read one card in 11 seconds, batch processing a number of cards while automatically producing graphs and reports for one or several replications. Additionally:

- Cards are analyzed, and reports are produced to provide the user with current EPA label standards and requirements.
- Incorporates DV 0.1, DV 0.5, DV 0.9, droplet densities per cm sq, number of drops read, percent of coverage, total volume, VMD, volume density per acre, and relative span

## Powerful and Productive

DropVision AG can analyze and accommodate a single card analysis or unlimited cards and locations - making DropVision AG very unique and capable of analyzing:

- an array of cards for swath analysis of an aircraft
- a complex network of droplet collection measuring stations in a wide area application, allowing for comprehensive data analysis for drift and deposition studies.

## Flexible Data Output

DropVision AG produces a comma delimited ASCII text file that is easily imported into Microsoft Excel® for further analysis. Each field of information is labeled and simple to interpret.

*"DropVision AG is simple to use, reads spray cards quickly and is portable enough to carry in a briefcase...The technical support from Leading Edge is second to none."*

