

# DropVision® AG

## Introduction

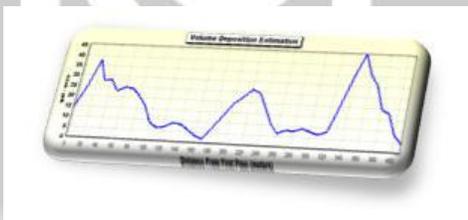
The purpose of the DropVision® AG Software System is to provide for the efficient and immediate data analysis of a droplet spectrum produced by aircraft or ground based spray systems using water/oil sensitive cards and Kromekote dye cards. The system includes providing considerable cost savings and the opportunity to more efficiently utilize resources.

## Introduction

DropVision® AG is a droplet measuring system designed to analyze droplet spectra through image analysis. Consisting of a high resolution portable scanner, DropVision® AG Advanced Droplet Image Analysis software and the DropVision® AG Graphing & Reporting software, the system electronically captures images of the card samples, analyzing each droplet while eliminating any background objects, coalesced droplets or nonqualified droplets through advanced proprietary image analysis algorithms.

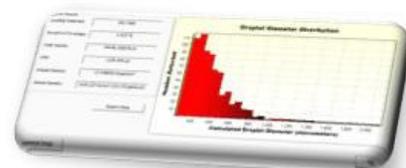
## Rapid Analysis, Proven Cost Savings & Efficiency

DropVision® AG is more efficient than manually reading cards because average reading and analysis takes thirty minutes for complete assessment of two hundred (200) drops. DropVision® AG reads two thousand (2,000) droplets, produces the graphs and reports at an average rate of thirty seconds, depending on the droplet densities on the card. EPA label requirements for products are analyzed and reported, providing the user with the new and current label language requirement standards. DropVision® AG specifically incorporates DV.1, DV.5, DV.9, droplet densities per mm<sup>2</sup>, 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 an unlimited number of cards and locations. This makes DropVision® AG very unique and capable of analyzing an array of cards for swath analysis of an aircraft or a complex network of droplet collection measuring stations in a wide area application, allowing for comprehensive drift and deposition studies.



## Statistically Proven

Statistical analysis of DropVision® AG compared to conventional human eye-read and analyzed measurements demonstrated superior results. It should be noted that DropVision® AG, through the proprietary image analysis algorithms, measures droplet sizes as finite as one pixel. This unmatched measuring technique produces a more precise and accurate measurement of droplet sizes as compared to conventional methods.

## Comprehensive Analysis & Flexible Data Output

DropVision® AG produces detailed graphs for analysis of the complete droplet spectra for each collection station or an unlimited set of collection stations. Graphs include diameter measurements, droplet densities, volume deposition, and coefficient of variation and is automatically calculated to define effective swath width. Users can easily analyze multiple swaths to see "race track" pattern depositions. 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.

## Leading Edge Associates, Incorporated

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