



WeatherLink Integrated Pest Management Module for Grapes

Product Images

RISK ASSESSMENT SUMMARY

Color coded to identify which pests currently pose a danger to grapes and sorted by severity level.

DATA PANE

Displays a table of history for a particular pest or a graph of this data captured from the last six weeks.

Pest Name	Risk Index / Degree Days	Risk Level	Current Stage	Next Stage
Light Brown Apple Moth of Grape	491.78	(4) High	Larva - 34% done	Pupa
Variiegated Cutworm of Grape Lab.	507.34	(4) High	Larva - 53% done	Pupa
Orange Tortrix of Grape	575.97	(4) High	Larva - 45% done	Pupa
Redbanded Leafroller of Grape	500.71	(4) High	First Emergence of Larva	First Gene
Grape Phylloxera	579.34	(4) High	Second Generation Dia.	Third Gene
Western Grapeleaf Skeletonizer	405.61	(4) High	Larva - 12% done	Pupa
European Grapevine Moth	353.87	(4) High	Larva - 49% done	Pupa
Glassy-winged Sharpshooter of G.	266.65	(4) High	Egg Hatch - 8% done	Generatio
Grape Berry Moth Pennsylvania	439.66	(4) High	Larva - 76% done	Pupa
Phomopsis Cane & Leaf Spot of G.	31.67	(3) Moderate		
Phomopsis Cane & Leaf Spot of G.	33.26	(3) Moderate		
Grape Scale	353.87	(3) Moderate	First Generation Crawlers	Peak Crav
Japanese Beetle of Grape	353.87	(2) Low	Egg Hatch - 54% done	Larva
Grape Root Borer	353.87	(2) Low	Larva - 18% done	Adult Emer
Anthracoise of Grape	3.67	(1) None		
Grape Berry Moth Arkansas	353.87	(1) None	First Generation of Eggs	First Gene
European Red Mite of Grape Males	324.11	(1) None	Generation Time (Egg to ...	*** Done **
Omnivorous Leafroller of Grape	411.05	(1) None	Egg - 82% done	Egg Hatch
European Red Mite of Grape Fem.	324.11	(1) None	Generation Time (Egg to ...	*** Done **
Pacific Spider Mite of Grape	300.84	(1) None	Generation Time (Egg to ...	*** Done **
European Corn Borer of Grape	353.87	(1) None	Larva - 94% done	First Moths
Eastern Grape Leafhopper	353.87	(1) None	Egg - 95% done	Egg Hatch
Potato Leafhopper of Grape Field ...	289.34	(1) None	Egg - 94% done	Egg Hatch
Potato Leafhopper of Grape Lab ...	289.34	(1) None	Egg - 88% done	Egg Hatch
Powdery Mildew of Grape	0.00	(1) None	Conidial	
Downy Mildew of Grape	0.00	(1) None		
Twospotted Spider Mite of Grape ...	273.76	(1) None	Generation Time (Egg to ...	*** Done **
Western Grape Leafhopper	340.16	(1) None	Egg - 83% done	Egg Hatch
Botrytis Bunch Rot of Grape	20.96	(1) None		
Black Rot of Grape	4.00	(1) None		

The graph shows the Risk Index for Downy Mildew of Grape from 01/05/11 to 02/18/11. The y-axis ranges from 0 to 100. A red horizontal line is at 50, and a yellow horizontal line is at 25. The blue line representing the risk index fluctuates, peaking above 100 and dipping below 25.

Downy Mildew of Grape
Downy mildew, caused by the obligate parasite *Plasmopara viticola*, is potentially one of the most destructive diseases of grape in the world. The disease is especially serious in climates with abundant rainfall, high relative humidity, and prolonged periods of wetness on leaves and fruits. The fungus infects all parts of the grape vine. It causes losses by killing leaf tissues and defoliation. Also, it rots the ripening grapes and weakens, dwarfs, and kills the young shoots. First symptoms are yellow circular spots with an oily appearance on the upper leaf surface. On the underside of the leaf surface the fungus appears as a delicate, dense, white, cottony growth in the lesions. The young berries are highly susceptible. They appear grayish and become covered with a downy felt of fungus sporulation. The pathogen survives the winter as oospores in the fallen leaves on the vineyard floor and possibly in some places (with mild winters) in buds, shoot tips, and persistent leaves. In spring, oospores germinate to produce macrosporangia, which release zoospores. Under wet conditions zoospores, which are disseminated by rain into the vine...

Photo Copyright: Marco Bressi

PEST DESCRIPTION PANE

Learn more about the pests that can potentially damage your crop.

PEST IMAGE

Provides a picture of the pest to help you easily identify it when you are in the field.

Short Description

Links your weather data to actual pest risk, a new tool in the battle against crop pest damage.

Description

This add-on module works with WeatherLink for Windows and Vantage Pro2 to gather real-time temperature, humidity, rain and leaf wetness data. It generates stepped risk levels to warn you when conditions are favorable for pest development.

Additional Information

Promotion	Call for Information
Brand	Davis Instruments
Explanation	If you are interested in using this IPM tool, please contact us for further information.
Ideal For	Professional, Agronomy