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Weather focus

ADDRESSING WEATHER RISKS AND PROVIDING PRODUCT SOLUTIONS

Light Brown Apple Moth



The Campbell Scientific automated weather stations are ideally suited for crop, pest and disease modeling. The presence of the Light Brown Apple Moth (LBAM) first detected in March 2007 has now been found in many Bay Area counties, as well as Monterey, Santa Cruz and Los Angeles counties. The LBAM is considered a High-Risk pest by the U. S. Department of Agricul-

ture. A degree-day model with lower and upper thresholds of 45°F and 88°F, respectively, predicting LBAM development indicates that there will most likely be 2 generations a year in the central and north coast areas of California and 3 to 4 generations a year in the Central Valley and southern California. Completion of the entire life cycle requires 620 degree-days. More information on degree-day modeling can be obtained from Western Weather Group.

LATE FROST RESULTS IN CROP DAMAGE



A late season frost in April (most damaging in 30 years) has caused mil-

lions of dollars in losses for northern California farmers. Grapes, walnuts, almonds and other crops experienced damage. A cold arctic air mass that moved over the state kept farmers up all night frost protecting crops with helicopters, wind machines and water applications. The damage was wide spread but local microclimates and frost protection allowed many areas to escape damage.

Digital Cellular Modems



Digital cellular modems provide an excellent means for communicating data via the Internet. The new Campbell Scientific dataloggers provide a TCP/IP so users can view real-time data within the datalogger via any web browser software. Cellular telephones like a BlackBerry or iPhone can view the data directly at the datalogger. The datalogger can also send out text messages to a cellular telephone.

WESTERN WEATHER GROUP

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from the Weather Desk... 

California Rainfall

California rainfall, or lack there of, has resulted in below normal rainfall for most of the state this water year (July 2007 – June 2008) as the dry season approaches. At the end of April the seasonal rainfall in the Sacramento Valley ranged from around 60% of normal in the north end of the Valley to 80% in the south end of the Valley. The snow pack survey on May 1 indicated that water con-



tent was 67% of normal for this date. The snow-water content is important in determining the coming year's water supply.

EMPLOYEE HIGHLIGHT

Matt Wanink



Matt Wanink is our newest team member, but certainly not new to weather

watching! Matt's interest in weather was piqued while growing up in the Seattle area, in spite of the dreary weather. Looking for a slightly different type of weather and scenery, Matt attended the University of Hawaii at Manoa and received a B.Sci degree in Meteorology. He continued to reside in Hawaii after graduation where he developed an interest in surf and ocean forecasting as well as working as a tsunami researcher at the University of Hawaii.



Western Weather Group Public Web Page
<http://www.westernwx.com/public>

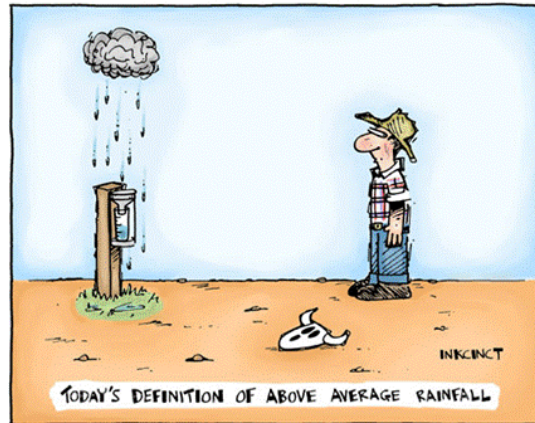
Weather Underground

Western Weather Group has developed a method to display data from a Campbell Scientific weather station on the Weather Underground. Visit the Western Weather Group public weather page www.westernwx.com/public to view real-time data that is also displayed on the Weather Underground.

The American meteorological society has selected **Campbell**



Scientific for its 2008 Award for *Outstanding Services to Meteorology by a Corporation*. The company was selected for its long-term contributions in providing versatile and reliable meteorological measurement and data systems vital to research and operations. Western Weather Group is proud to be associated with Campbell Scientific and to be their authorized California Sales Representative. Western Weather Group builds all of their environmental monitoring systems around the rugged and reliable Campbell Scientific dataloggers.



The coldest winter I ever spent was a summer in San Francisco.
Mark Twain, attributed

WWG Works in PNW

Dennis Lundy and Matt Wanink of Western Weather Group will be working in the Pacific Northwest the end of April and first part of May installing Campbell Scientific weather stations at the Navy Region Northwest facilities in the Puget Sound area under a contract with Northrop Grumman.



California Sales Rep.

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