

BUG COUNTER

REMOTE COUNTING OF INSECTS

Know how many insects are out there!

The Bug counter provides the capability of knowing, back at the office computer, insect counts and peak insect activity times out in remote fields and/or greenhouses.



Why use “Bug Counter”?

Improve planning for

Timely and efficacious pest management techniques such as:

- Releasing beneficial insects when needed by counting existing populations
- Apply pesticides only when needed
- Providing night time “vision” to determine peak insect activity times

Improve profits by

- Reducing personnel mileage by utilizing the remote control equipment
- Activating pest control only when needed thereby reducing pesticide cost by avoiding overuse
- Evaluating the effectiveness of your pest control measures
- Improving aesthetics and value of a crop
- Calibrating the Degree Day model

Watch for other bug counter types – Ask us about BUG-ALL!

How “BUG COUNT” works

Insect counting is possible for insects for which there is a good pheromone and an effective trap design. Counting relies on attracting insects to a trap through the use of a pheromone or bait.

The “BUG COUNT” Electronic Insect Counter is compatible with Automata’s **DATA⇐LYNX**® telemetry system. An electronic signal is transmitted through the **DATA⇐LYNX**® Field Station to the Base Station back at the ranch office where the count is then input to the office computer.

With the use of Automata’s Data Acquisition and Control Software, as the insect count is received at the computer, the time and date is appended to each count report. The report is displayed visually and stored in a database for future use. Report generators allow the data to be viewed or printed out. Automata’s software gives farmers the option to plot insect counts over time with other parameters (temperature, humidity, and wind speed for example). A User can have real-time insect counts on which to base insect control decisions. For instance, if a threshold number of a particular insect is reached, warning can automatically sound by the computer to alert personnel that it may be time to begin pest control tactics.

For best economy of a system, it should be used for more than one application. For instance, not only can a Bug Counter be connected to a Field Station, but a weather station can also be connected and that information can be used for degree day calculations for insect emergence prediction, disease prediction and irrigation control and decision making such as whether to spray based on insect count and temperature and wind conditions at the crop site.

“BUG COUNT” Electronic Insect Counter has a lockout feature, which reduces the likelihood of multiple counts of the same insect.

SPECIFICATIONS

Power	12 Volts +/- 20%; 5 mAmps nominal
Lockout Period	3.5 Seconds nominal
Output	~200 ms pulse; open collector transistor to ground
Optional Temp.	
Output	1 uA/°K
Size	7-1/4" x 1-13/16" x 7/8" + Multi-pher trap (~10-1/2" x 10-1/2" x 12")
Weight	2 lb. (including Multi-pher trap)
Operating Conditions	-20 to 140°F 0 to 100% RH non-condensing

INSTRUMENT CONNECTIONS

