

PRELIMINARY



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# TREMOS LAB

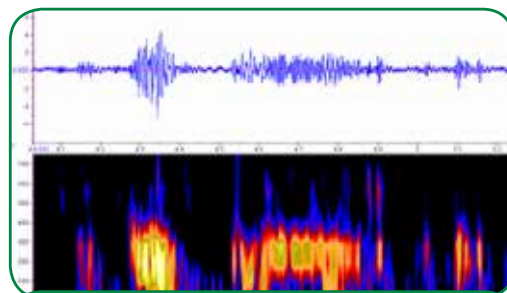
**The system for tests concerning the vibrational communication of insects**

The system is born for tests of laboratory, semi field and field; it is based on the principle enshrined in various researches done by entomologists of the E. Mach Foundation in San Michele all'Adige that confirm that insects such as Leafhoppers communicate between individuals emitting vibrations on the surfaces like leaves. Frequencies and sequences of vibrations are specific to both sexes that of the species, this uniqueness allows them to recognize each other, meet and reproduce.

**TREMOS LAB** is a system composed of a 110/230VAC power unit equipped with an MP3 player specially modified for use with the 2 emitters supplied with related pre-wired connection cables. These emitters reproducing the communication language, pre-recorded or simulated, of each single target species and broadcasting it in a specific area. The file that reproduces the "song" specific species of the insect is loaded into the MP3 player and reproduced as vibration through the emitters.



Reliable, effective and economic, **TREMOS LAB** is a perfect solution to improve the study of Biotremology.



Oscillogramma e Spettrogramma di vibrazioni prodotte da cicaline (fonte Valerio Mazzoni)



laboratory



**CBC (Europe) S.r.l.**  
Via Umberto I, 69 - 20814 Varedo (MB)

info@agroelectronics.it - www.agroelectronics.it