Identification of Volatile Compounds Emitted by *Artemisia ordosica* (*Artemisia*, Asteraceae) and Changes due to Mechanical Damage and Weevil Infestation

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Volatiles emitted by healthy, mechanically damaged, and weevil-infested *Artemisia ordosica* (Asteraceae) were obtained through a dynamic headspace method and analysed by automatic thermal desorption/gas chromatography/mass spectrometry (ATD/GC/MS). Twenty-eight compounds in all were identified, and the qualitative as well as quantitative differences were compared. The green leaf volatiles 2-hexenal, (Z)-3-hexen-1-ol, 2-hexen-1-ol, 1-hexanol, and (Z)-3-hexen-1-ol acetate were present in all of the damaged plants, but in relatively lower portions when plants were infested by the weevil *Adosopius* sp., while the terpenoids Ë-cepene, Ë-cedrene, and (E,E)-Î-farnesene and the ester methyl salicylate were only present in weevil-damaged plants. The volatiles from healthy and weevil-infested leaves were dominated by Ë-limonene, whereas mechanically damaged leaves emitted Ë-pinene as the dominant compound.

**Key words:** *Artemisia ordosica*, Mechanically and Weevil-Damaged, Volatile Compounds