

Research Article

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## Fine root Production in Evergreen Broadleaved Forest, Northeast Vietnam

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Author(s): Tran Van Do\*, Osamu Kozan, Le Xuan Truong, Nguyen Toan Thang, Dang Van Thuyet, Phung Dinh Trung and Nguyen Thi Thu Phuong

Estimating production of fine roots (diameter 2 mm) is significant important to understand carbon cycle of forest ecosystem as it may contributes up to 70% of total net primary production. The estimation of fine root production is left behind in many parts, especially in developing countries including Vietnam. ...

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## Modulation of the Activity of Enzymes Involved in Carbohydrate Metabolism during Flower Development of Grapevine ( Vitis Vinifera L. )

Published On: October 14, 2016 | Pages: 010 - 017

Author(s): Cédric Jacquard\*, Gaël Lebon, Marine Rondeau, Lisa Sanchez, Essaid Ait Barka, Nathalie Vaillant-Gaveau, Christophe Clément

Abstract In order to further understand the relationships between flower development and sugar metabolism in grapevine, the fluctuations of both starch and sucrose contents were compared with the activity of their related enzymes, in the inflorescences, from the appearance of flower buds until the fruit set. The measurements were carried out on GW and PN cvs., ...

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## Distribution of Minerals in Young and Mature Leaves of Different Leaf Vegetable Crops Cultivated in a Field

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Author(s): Toshihiro Watanabe\*, Eriko Maejima, Masaru Urayama, Masako Owadano, Aiko Yamauchi, Ryosuke Okada, Takuro Shinano, Mitsuru Osaki

**Abstract** At least 17 elements are known to be essential for plants; however, plants also absorb and accumulate various nonessential elements. Plants re-translocate different elements, including essential and nonessential elements, with differing efficiencies from mature to young developing organs via the phloem transport, resulting in different d ...

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## O -Benzoquinone and Ester-Linked Hydroxyfatty Acid as Additional Compounds from *Lonchocarpus nicou*

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Author(s): Ata Martin Lawson\*

**Abstract** New o -benzoquinone and a C 16 long-chain para -coumarate ester were isolated from *Lonchocarpus nicou* roots. Their structural elucidations are based on different spectroscopic data analysis. In addition, the known pterocarpanoids maackiain and flemichapparin-B never reported in *L. nicou* were also isolated along with rotenone ...

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