

ABSTRACT TO APIMONDIA

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Title of the presentation: Are pyrrolizidinalcaloids in bee products a health hazard? -
A risk assessment for Switzerland

Pyrrolizidine alkaloids are important plant toxins associated with disease in humans and animals. Metabolic activation in liver converts such alkaloids into highly reactive electrophiles, capable of reacting with cellular macromolecules. Thus forming adducts which may initiate acute or chronic toxicity. The pyrrolizidine alkaloids in honey and other bee products are reviewed and health risk of acute and chronic intoxication with respect to bee products is evaluated for Switzerland.