

BOTANY AND CHEMISTRY OF *FOENICULUM VULGARE* VAR. *DULCE* MILL. AND *FOENICULUM VULGARE* VAR. *VULGARE* MILL: A REVIEW

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Abstract

The *Apiaceae* family (*Umbelliferae*) comprises both vegetable and aromatic and medicinal species. Among the most used aromatic species from this family is *Foeniculum vulgare* Mill, which can be cultivated in various climatic conditions. *Foeniculum vulgare* ssp. *vulgare* Mill. can be cultivated using three varieties: *Foeniculum vulgare* var. *azoricum* Mill., also called bulbing fennel or Florence fennel, *Foeniculum vulgare* var. *dulce* Mill. with the common name of sweet fennel and *Foeniculum vulgare* var. *vulgare* Mill., this variety is known as bitter fennel due to the bitter aroma of the seeds. In this review were presented the results of various publications, reported between 1961 and 2019, on two varieties of fennel, var. *dulce* and var. *vulgare*. The publications were selected from the electronic library. Therefore in this article, various botany and chemistry differences between sweet fennel and bitter fennel have been presented.

Key words: *Foeniculum vulgare*, sweet fennel, bitter fennel, chemistry, botany