

III. 學術研究發表 要旨

Effect of Stem Drying Method during curing Process on Physico-chemical Properties of Bulk Cured Leaves

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The bulk curing experiment to the improve the quality of flue-cured leaves were carried out to evaluate relationship between 3 step-up drying and existing drying method during stem drying stage in bulk curing process. As a result, effectiveness of improvement in the physico-chemical properties of cured leaves were observed. The leaves cured by this method were somewhat higher in yellowing color index of cured leaves, better bodies, and less brittle compared with the leaves produced by existing drying program. As to the chemical properties, there was no difference in chemical components of cured leaves with in that of existing ones, while a major chemical components in relation to aromatic essence oil components of cured leaves were mostly higher in this method than those of existing ones. On the other hand, in case of 3 step-up drying method during stem drying stage, increase of price per kg reached to about 2% compared with those of existing drying method.