

研究论文

湖北省纽荷尔脐橙果实品质状况的研究

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摘要 以纽荷尔脐橙为试材,分析了湖北省13个产地果实的常规品质和果皮色差值,结果显示,不同产地纽荷尔脐橙果实品质差异明显.系统聚类结果表明,秭归县、巴东县和兴山县的常规品质聚为第一类,长阳县、郧县、公安县、枝江市和宜都市聚为第二类,而丹江口市、阳新县、通城县、天门市和京山县聚为第三类;就果皮色差值来看,长阳县、郧县、兴山县和宜都市聚为第一类,巴东县、京山县、枝江市、丹江口市、阳新县、公安县、秭归县聚为第二类,天门市和通城县聚为第三类.综合分析常规品质和果皮色差值可以看出,三峡库区的兴山县、秭归县、巴东县纽荷尔脐橙综合品质最好,邻近三峡库区的长阳县、宜都市、枝江市,丹江库区的郧县和卷桥库区的公安县次之,丹江口市、阳新县、京山县,尤其是天门市和通城县的品质表现不如上述各个产地.

因此湖北省纽荷尔脐橙应重点集中在三峡库区这一优势区域内优先发展,同时向其邻近的适宜地区辐射,而在其它产地宜选择小气候适宜地区适当发展.

关键词 [纽荷尔脐橙](#) [常规品质](#) [可溶性固形物](#) [可滴定酸](#) [固酸比](#) [系统聚类分析](#) [湖北省](#)

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Research on the Fruit Quality of Newhall Navel Orange of Hubei Province

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Abstract The fruit quality of Newhall navel orange from 13 production counties/cities of Hubei Province was tested. The result showed the significant difference in fruit quality of various locations. By means of systematic cluster analysis, it was revealed that the ordinary fruit quality of Zigui, Xingshan and Badong county was clustered into Group I, that of Changyang, Yunxian, Gong'an, Zhijiang and Yidu City/County was clustered into Group II while that of Danjiangkou, Yangxin, Tongcheng, Tianmen and Jingshan City/County into Group III; and the peel colorlab values of Changyang, Yunxian, Xingshan and Yidu County/City was clustered into Group I, that of Badong, Jingshan, Zhijiang, Danjiangkou, Yangxin, Gong'an and Zigui into Group II, while that of Tianmen City and Tongcheng County into Group III. By way of integrated analysis on the ordinary quality and peel colorlab values, it could be concluded that the Three-Gorge Reservoir Area including Xingshan, Zigui and Badong County would be the best, then the region including Changyang, Yidu, Zhijiang neighboring to the Three-Gorge Reservoir Area, Yunxian of Danjiang-Reservoir Area and Gong'an of Juanqiao Reservoir Area but the rest region would be general. Therefore, in Hubei Province Newhall navel orange should be prior developed in the superior region of the Three-Gorge Reservoir Area, then radiated to the suitable area of neighboring region and other suitable region with best mini-climate, but in other regions it would be possible to select the proper mini-climate areas to develop Newhall navel orange.

Key words [Newhall navel orange](#); [Ordinary fruit quality](#); [Total soluble solid](#); [Titratable acid](#); [Ratio of TSS to TA](#); [Systematic cluster analysis](#); [Hubei Province](#)

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