

SUMMARY OF MASTER'S DISSERTATION

Student Identification Number	81533466	Name	Noriaki Nishiyama
<p>Title</p> <p style="text-align: center;">A Case Study on Crop Substitution to Effectively Use a Mandarin Cultivation Abandonment Ground</p>			
<p>Abstract</p> <p>As farmers in the suburbs are expected to be able to respond to urban food demand, it is necessary to conserve agricultural lands. However, Cultivation Abandonment Ground is expanding nationwide year by year. It causes the occurrence of pests and the formation of wildlife habitats, which adversely affect the production of good farmers around. Especially in low uplands area where machinery cannot be easily introduced, cultivation tends to be easily abandoned compared with plain area. Therefore, it is necessary to pursue a method to effectively utilize abandoned farmland in low uplands. In this research, as a case study of an orchard we set the hypothesis that agriculture that fulfills the conditions can reduce cultivation abandonment ground in low uplands as follows.</p> <ul style="list-style-type: none"> • People who cannot physically work every day or people without agricultural experience can become agricultural leaders. • It is possible to cultivate agricultural land with poor production environment (inclination and solar radiation condition). • Selling crops at high unit prices and profit rises. <p>As a result of an interview with the Agricultural Administration Department of Odawara city hall and the farmers in Hayakawa area in Odawara city, Kanagawa prefecture, Lemon meets the hypothesis. However, as a disadvantage of lemon, it was pointed out that the weak property of wind in citrus, the decrease of productivity caused by the thorn existing in branches. Finally, it was confirmed that lemon could be cultivated on the northward slope by measuring the wind speed of farmland cultivated lemon, northward slope and southward slope.</p>			
<p>Key Word (5 words)</p> <p>Cultivation Abandonment Ground, Orchard, Effective Utilization, New Entrants to Agriculture, Regional Development and Vitalization</p>			