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UNDERSTANDING AND MANAGING ABNORMAL SHOOT GROWTH IN TABLE GRAPES: A MULTI-REGIONAL ANALYSIS IN CHILE

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Background

Abnormal shoot growth is a common problem observed in grafted vines during the cultivation of table grapes. This problem has been associated with soil and rootstock issues. In order to identify the factors that affect the growth of shoots and develop a management plan to minimize the problem, a project was carried out in four regions of Chile.

Introduction

The objective of the project was to investigate the factors that affect the growth of shoots in table grapes and develop a management plan to minimize the problem of abnormal shoot growth. The project aimed to analyze the phenological, nutritional, sanitary, and fruit aspects to identify the factors that contribute to the problem. The project also aimed to monitor the conditions in different regions of Chile to identify the specific conditions that lead to abnormal shoot growth in table grapes.

Method

The project involved the establishment of monitoring stations in four regions of Chile. The monitoring stations collected data on phenological, nutritional, sanitary, and fruit aspects of the table grape cultivation. The data collected were analyzed to identify the factors that affect the growth of shoots and to develop a management plan to minimize the problem. The management plan involved the identification of critical factors, the development of management practices, and the execution of treatments

Results

The project identified several factors that affect the growth of shoots in table grapes, including temperatures, rainfall, rootstock, variety, and irrigation management. The

project also identified that the use of grafted vines in table grape cultivation is a contributing factor to abnormal shoot growth. The project findings were used to develop a management plan that involved the implementation of treatments to address the critical factors.

Conclusion

The project findings provide insight into the factors that contribute to the problem of abnormal shoot growth in table grapes. By developing a management plan that addresses the critical factors, the project aims to minimize the problem and improve the productivity and quality of table grapes in Chile. The project highlights the importance of careful analysis and monitoring of the critical factors in order to develop effective management practices.