GROWING GREAT QUALITY CHERRIES

The Shift from Quantity to Quality

Authorised for release by:

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The mood is changing in favour of high-quality 'green' foods, and consumers tend to choose high-quality agricultural products.

This in turn drives the improvement in quality of agricultural outputs.

Yield is no longer the most important criterion, and higher quality crops and produce get better opportunities at market.

'Growing quality' has become the consensus of the majority of agricultural growers.

At the end of March and the beginning of April 2019, the Dalian Greenhouse Cherry has been promoted at market on a large scale. Because of the low temperature, and the early warming of greenhouses, the cherries in Wafangdian were available from as early as February.

The high-quality fruit purchase price at the peak of the season this year was about 150 yuan (32AUD) per kilogram.

Packing cherries treated with RLF products

'Higher quality' is the common pursuit for both RLF and growers. The RLF Technical Team paid a visit to check upon the application effects of RLF products on this year's cherry crop. Two growers are showcased and their demonstration crops presented.

Through a variety of advanced instruments and equipment, the RLF Technicians conducted data detection and statistics on greenhouse cherries from the aspects of fruit colour, diameter, weight, shape, hardness, sugar content and chlorophyll content.

The greenhouse cherries operation

The testing instruments

CASE STUDY NO.1

Results of the Demonstration of Greenhouse Cherry in Wafangdian

Date	31st March 2019
Location	Paotai Town, Wafangdian City
Grower	Gao Feng
Variety	Meizao
Product Used	RLF **Plant Milk**
Method	Fertigation with RLF **Plant Milk High-N** on 20th January 2019, applied six times in total at an interval of each 12-13 days. Fertigation with RLF **Plant Milk High-K** in late March 2019.

The Comparisons

On Fruit Weight

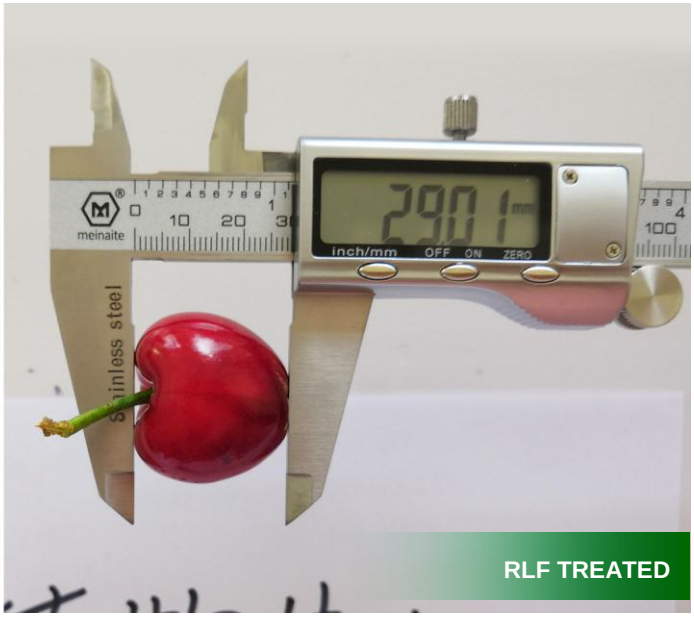
In order to reduce the error, a number of cherries were taken to be measured and averaged. The average fruit weight of the Control crop (left) was 14.89g, with the average fruit weight of the RLF-treated crop was 15.65g.

On fruit diameter

The fruit size was divided into transverse diameter and longitudinal diameter for data comparison. The transverse diameter and longitudinal diameter of cherries treated with RLF products were 32.17mm and 29.01mm respectively, whilst the transverse diameter and longitudinal diameter of Control cherries were 30.42mm and 27.97mm.

The transverse diameter of the Control **The transverse diameter of the RLF-treated**

The longitudinal diameter of the Control



The longitudinal diameter of the RLF-treated

On sugar content

The Control cherry sugar content was 12.5 with the sugar content of the RLF-treated cherry being 13.0.

The sugar content of the Control

The sugar content of the RLF- treated

In order to reduce the error and obtain more scientific data, the technician took a number of cherries for test collection and finally compared the average value.

Showing the cherry data recording table and the cherry inspection process

On Chlorophyll

The collection of picture images that follows show the process of collecting the chlorophyll data.

The detection of chlorophyll

The data statistics site

The Data Results

Data Collection	The average value of Control	The average value of RLF-treated
Transverse diameter (mm)	32.00	32.51
Longitudinal diameter (mm)	28.40	29.36
Fruit weight (g)	14.89	15.63
Hardness (kg/cm2)	3.64	3.86
Sugar content (Brix)	12.67	12.70
Chlorophyll content (SPAD)	34.44	34.72

Conclusion

Firstly, the data of the cherry treated with RLF products was superior to the Control in terms of fruit size, weight, sugar content and hardness. Chlorophyll content was also an important indicator of fruit growth and quality. The data showed that the RLF-treated crop was slightly better.

This measured data was also directly reflected in economic returns. The purchase price of greenhouse cherries during the visit ranged from 76 to 80 yuan (16 to 17AUD) per kilogram. After seeing the data of RLF's technology test, the purchaser expressed their willingness to buy at 80 yuan (17AUD) per kilogram, the highest price of the current market!

CASE STUDY NO.2

Results of the Demonstration of Greenhouse Cherry in Wafangdian

Date	29th March 2019
Location	Paotai Town, Wafangdian City
Grower	He Yanwei
Variety	Meizao
Product Used	RLF **Plant Milk**
Method	Fertigation six times RLF **Plant Milk High-N** from late December to late February. Fertigation RLF **Plant Milk High-K** at an interval of each seven days from March.

Mr He has been using RLF Plant Milk in all his five sheds this year. The application effects were very good in terms of fruit and leaves.

Mr He's cherry trees treated with RLF products

The stockpile of RLF Plant Milk in Mr He's warehouse

The RLF team tested the mature cherries of Mr He and collected the data with multiple samples. The average fruit weight and sugar content reached 17.36g and 16.59g respectively, and the following pictorial display highlights the data gathering operations.

The sugar content test

The hardness test

The cherries treated with RLF products

Conclusion

RLF makes the quality of agricultural outputs visible and provides accuracy through scientific data collection and analysis.

This collaborative process starts with the actual needs of the farmer. The RLF team inspects and make recommendations and suggestions for growing great produce. This is followed by a professional after-sales service in which the grower is given reliable data so as to guide their ongoing fertiliser program choices accurately. Growers are encouraged to use this scientific data to help improve the quality of their crops.

Through refined management and professional services, RLF continuously expands its assistance to growers for better crop nutrition education, and programs that in turn deliver both great crops and higher output benefits for the farmer.