

## HOW TO GROW A HIGH-QUALITY CELERY CROP

### Comparing Fertiliser Management Strategies

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Celery is a commonly grown and commonly purchased vegetable. It has a crisp and tender taste, high nutritional value and is popular with consumers.

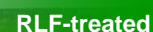
But in the process of celery planting, problems are often encountered, and these often come down to the problem of an improper and unbalanced fertiliser strategy. Many growers only pay attention to the application of nitrogen, phosphorus and potassium compound fertilisers, and ignore the plant's need for a properly balanced ratio of trace elements. This can result in the low yield and poor quality of celery.

In order to promote the concept of balanced nutrition and a scientifically-based fertiliser program the RLF Technology Team arranged a demonstration trial on celery in Xiaoshan District, Hangzhou City, Zhejiang Province.

### Demonstration Trial Details

Crop Type	<b>Celery</b>				
Trial Dates	21st October – 6th November 2019				
Trial Location	Fengshe Village, Tongpu Town, Ruian, Wenzhou				
Products Applied	<b>Date</b>	<b>RLF Program</b>		<b>Control Program</b>	
		Product Used	Application Rates	Product Used	Application Rates
	October 21st	<b>RLF Plant Milk High-N</b>	Fertigation at 300 times dilution(7kg/mu)	15-15-15 imported compound fertilizer	7.5kg/mu;
	November 6th	<b>RLF Plant Milk High-K</b>	Fertigation at 300 times dilution(7kg/mu)	15-15-15 imported compound fertilizer	7.5kg/mu;
Trial Setup	The Control and RLF program celery crops were planted with same test area size (0.2mu land respectively), growth environment and management to ensure the objective test results.				





## Applying the fertilisers

## Picking and Measurement Data





## Measurement of Yield and Financial Returns



Treatment	Yield (kg)	Increase production (kg)	Increase rate	Income (Yuan)	Increase income (Yuan)
Control	809.52	—	—	1619.04	—
<b>RLF-treated</b>	<b>864.60</b>	<b>55.08</b>	<b>6.8%</b>	<b>1729.20</b>	<b>110.16</b>

The purchase price of celery was 2 yuan/kg.

According to the production measurement results, the increase in yield per mu land was 275.4kg, which in turn returned an increase in income – 550yuan per mu land.

## The Products Used

### The RLF Plant Milk Products

They biochemically chelate a variety of nutrients in addition to nitrogen, phosphorus and potassium. The medium and trace elements are as high as 168g/L, which can effectively supplement the required medium and trace elements. This is especially suitable for treating both soil and plant deficiencies. Enriched with root-promoting factors, making the root system strong and deep, effectively alleviating the various problems caused by continuous cropping. Special NDS nutrient transmission system and bio-initiated technology enables nutrients to be quickly absorbed by crops under low temperature conditions.



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