

## HOW TO GROW GRAPES SUCCESSFULLY

### Showcasing an RLF Crop Nutrition Program

Authorised for release by:

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The grape colour changing period is the key period in which to increase fruit weight, sugar content and promote fruit maturity. The colour conversion of grapes is essentially the formation and accumulation of anthocyanins in the skin – nitrogen can inhibit the formation of anthocyanins, whilst phosphorus and potassium can promote them.

Therefore, at this time it is necessary to control the application of nitrogen fertiliser and increase the application of both phosphorus and potassium. RLF has the speciality products to help growers achieve this and the following highlights a trial of RLF products on grape.



The grower with his vines

### Details on the Trial

Trial Location	Zhanggezhuang Village, Raoyang County, Hengshui City, Hebei Province		
Grower	Li Hui		
Trial Dates	April 2019		
Grape Variety	Greenhouse table tennis grapes		
Product Used	RLF PowerPK		
RLF Program	<b>Date</b>	<b>Product</b>	<b>Method and Application Rate</b>
	13 <sup>th</sup> April 2019	PowerPK	Foliar spray 40 ml mixed with 30 Jin of water
	21 <sup>st</sup> April 2019	PowerPK	Foliar spray 40 ml mixed with 30 Jin of water

### THE FIRST TEST POINT



Control



RLF-treated

Conditions were observed on 13th April – the first fertilisation for the two fields with the same degree of growth. The trial vines were applied with RLF PowerPK, and the Control vines used other brands of colour-changing products.





The conditions as observed on 24th April – the second fertilisation day.



The conditions observed on 29th April found that the colour conversion effect of the RLF-treated grapes was faster and more uniform.

**THE SECOND TEST POINT**



The conditions as observed on 13th April – the first fertilisation, for the two fields with the same degree of growth. The trial vines were applied with RLF PowerPK, and the Control vines used other brands of colour-changing products.







The conditions as observed on 24th April – the second fertilisation day.



The conditions observed on 29th April found that the colour conversion effect of the RLF-treated grapes had completely changed colour, and could be picked and put on the market for sale.

### The Trial Conclusions

The grapevines treated with RLF products:

- ✓ completed the colour transformation on average, five days earlier than the Control vines, and the colour was more uniform,
- ✓ had increased fruit powder thickness, and
- ✓ were earlier to market, which is a positive benefit for the grower.



RLF Power PK has a high content of both phosphorus and potassium. The bioactive factors work together to effectively resist the effects of bad weather and well and truly meet the demand of the vines for both these important nutrients.

It gives high-efficiency supplementation of the nutrition required for the flowering and fruit swelling stage. It improves the fruit setting rate, promotes fruit swelling, adds colour, promotes early maturity and significantly improves crop yield and quality.

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