

IMPRESSIVE RESULTS FOR RICE CROP

RLF Specialty Fertilisers Delivered by UAV Proves to be Efficient and Effective

Authorised for release by:

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As the Northeast rice crops entered their mature harvesting period, the RLF Technical Team revisited the fourth sub-farm of the Friendship Farm to observe crop growth.



Examining the demonstration field treated with RLF products

Demonstration Details

Test Location	The fourth sub-farm of Friendship Farm, Shuangyashan City, Heilongjiang Province	Equipment Used and Settings	<u>UAV Model:</u> Polar Fly P20 <u>Flying height:</u> 1.5 meters <u>Flight speed:</u> 4 m/s <u>Spray width:</u> 3 meters <u>Flow rate:</u> 600-800ml/mu
Test Farmer	Dong Deying	Test Products	RLF Broadacre Plus and RLF PowerPK
Test Area	600mu (40 hectares)		
Test Variety	Longjing 29, Dongnong 426, Suidao 5		

The test application timings and rates were as follows:

Growth Stage	Product	Application Rate
Booting stage	Broadacre Plus	400ml Broadacre Plus + 10kg water for 15mu (1 hectare) land
Grain filling stage	PowerPK	400ml PowerPK + 10kg water for 15mu (1 hectare) land

The Major Benefits

NO. 1 | Low Water Content and High Income



As shown in the picture, the rice seeds on the LEFT, treated with RLF products were full and golden, and the color contrast was obvious. The water content of the paddy treated with RLF products was tested at 13.2, with the Control field measured at 14.6. Mr Dong confirmed that *"the higher water content, the lower seed price"*.



NO. 2 | Full Rice and High Yield

The weight of a hundred of grains chosen from both the Control and the Test areas was measured with precise instruments. The **100-grain weight** of RLF-treated rice seeds was **35.6** and the Control was **32.2**. The test paddy was big and full, and the yield was even higher!



The 100-grain weight test

The Farmer's Comments About the Test

The field data showed that the yield of the rice treated with RLF products was 10.055 tons per 15mu (1 hectare) land, that is to say, 670kg/mu. Since Mr Dong's rice was mixed with three varieties, it was impossible to compare precisely with the Control yield. But Mr Dong said that he was very satisfied with the current production, since there was frost in Heilongjiang Province earlier in the year in September.

Further, his Suihua 5 was a late-maturing variety deeply affected by the frost. At the same time, he said that the average yield of his rice crop last year was about 9 tons per 15mu (1 hectare) land under good weather. This year, under the freezing conditions the output still increased, so the RLF products will continue to be used next year!

In addition, Mr Dong also said that *"the rice treated with RLF products had obvious performance at seedling stage. After spraying for 5 days, the effect was obvious with dark green and thick leaves"*.



On-site inspection of rice quality

RLF products help farmers achieve increased yield and income even under adverse climatic conditions. But Mr Dong's story is only one of the many beneficiaries of RLF products. Through safe and efficient methods, RLF products have been proven in rice, wheat and other crops across the country. It has helped many growers to achieve higher yields, better quality and more economic benefits.

The RLF Products Used

'ESPECIALLY FOR FLIGHT CONTROL'



1 specific product with 12 essential nutrients

N Nitrogen	P Phosphorus	K Potassium	S Sulphur	Mg Magnesium	B Boron
Cu Copper	Fe Iron	Mn Manganese	Mo Molybdenum	Zn Zinc	Co Cobalt

Broadacre Plus Ultra Foliar is a High-analysis Broad-spectrum Solution (HBS) that applies nutrient delivery technology to deliver its nutrient package through the leaf. It is highly concentrated and applies the optimum amount of 12 nutrients with a single application. Because of this Broadacre Plus Ultra Foliar endows the plant with the ability to guard against soil nutrient variability and deficiency and ensures greater plant protection, increased growth and improved yield qualities.

Broadacre Plus Ultra Foliar is considerably more efficient, as the formulation is absorbed directly through the leaf cell walls and into the plant for immediate use. Unlike other foliar products it is not inhibited by the need to access the plant via the stomata.



PowerPK35 RATE FOR FOLIAR APPLICATION

PowerPK35 (L/ha)	1L	5L
P (kg)	0.1	0.5
K (kg)	0.35	1.75

PowerPK35

P K

High Concentration Phosphorus and Potassium Liquid for Injection, Fertigation and Foliar Application

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