

**China**



**Legumes**

# RLF PRODUCTS ON SOYBEAN

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March 2015

# INTRODUCTION

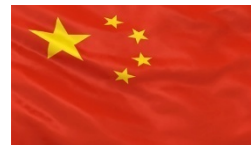
In 2013 and 2014 independent trials were conducted using RLF products on **SOYBEAN**.

These two trials were supervised by RLF's Agronomist Mr Carter Li, from its China-based Technical Group operations, with the cooperation of client groups Heilongjiang WoerMei Agricultural Science and Technology Co. Ltd, and the Anhui Grain Group Co. Ltd.

- **Location-1** Qinan Country, Heilongjiang Province
- **Location-2** Dingyuan County, Anhui Province – this region being the biggest soybean growing area in this province of China.

Additionally, some Laboratory-based Trials were conducted over an eight day period in May 2013, with photographic comparisons taken on 25th May 2013.

The results have proved significant, and the charts that follow highlight the yield results in very simple terms. The photographic images that accompanied these trials however show considerable benefits and gain, both in the field and in the laboratory.



China






They are as follows :

### CHART SHOWING YIELD RESULTS WITH RLF ULTRA FOLIAR (BROADACRE PLUS)

**Client :** Heilongjiang WoerMei Agricultural and Science and Technology Co. Ltd.  
**Site :** Qinan County, Suihua City, Heilongjiang Province China  
**Crop :** Soybean  
**Season :** 2013  
**Harvest Date :** 13<sup>th</sup> October 2013  
**Product :** RLF Ultra Foliar (Broadacre Plus)



Ultra Foliar

Plots	Plot Size (hectares)	Yield (tonne/ha)	% Increase in Yield
Control (no added product)	2.67	2.51	0
RLF Ultra Foliar (Broadacre Plus)	2	2.89	 15.14%

#### NOTE :


The RLF Ultra Foliar (Broadacre Plus) field received foliar spraying twice during this Trial. The first spraying date was 2nd August with the second being 28th August 2013.

### CHART SHOWING YIELD RESULTS WITH RLF BSN

**Client :** Anhui Grain Group Co. Ltd.  
**Site :** Dingyan County, Anhui Province China  
**Crop :** Soybean  
**Season :** 2014  
**Harvest Date :** 11<sup>th</sup> and 12<sup>th</sup> October 2014  
**Product :** RLF BSN



Seed Priming

Plots	Plot Size (hectares)	Yield (tonne/ha)	% Increase in Yield
Control (no added product)	6.67	2.94	0
RLF BSN	5.33	3.36	 14.29%

# PICTURES IN THE FIELD





RLF China Sales Manager XuJianYou (left) accompanied by a technician of Anhui Grain Group Company, observing the soybean field in Dingyuan County, Anhui Province (29<sup>th</sup> September 2014)



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**Performance :**

- **Uniform Growth of the Field**
- **Promote Earlier Yields**

**Place :** Zhuma Village, Dingyuan County, Anhui Province, China

**Date :** 29<sup>th</sup> September 2014

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**BSN**



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The close-up photography of filled pods.

**Place :** Zhuma Village, Dingyuan County,  
Anhui Province, China

**Date :** 29<sup>th</sup> September 2014

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**BSN**





Control



Untreated

**BSN**



**Performance :**

- **More Pods**
- **Higher Quality**
- **Yield Increase**

**Place :** Zhuma Village, Dingyuan County, Anhui Province, China

**Date :** 29<sup>th</sup> September 2014



# PICTURES IN THE LABORATORY



**Performance :**

- Early Vigour and Stronger Seedling Growth
- Higher Germination Percentage

**The result of BSN only trial over 8 days**

**Place :** RLF CHINA LAB TEST

**Date :** 25<sup>th</sup> May 2013



**Place : RLF CHINA LAB TEST**



The result of BSN + seed coating trial over 8 days

BSN has dominant effect on the seedling growth, seedling height and weight .

Place : RLF CHINA LAB TEST

Date : 25<sup>th</sup> May 2013



Fungicide Only

**BSN** + Fungicide

## CONCLUSION

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Significant visual observations were made during the trialling of RLF's product on these soybean crops.

The benefits seen from the seed treated with BSN over that of the Control seed which remained untreated are reported as being :

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### In the Field

- uniform growth in the field
  - earlier yield
  - filled, healthy pods
  - greater number of pods
  - increased yield
  - higher quality soybeans
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### In the Laboratory

- early root emergence
  - early vigour and stronger seedling growth
  - higher germination rate stronger, healthier plants
  - BSN shown to have dominant effect on seedling growth, height and weight
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The RLF Products used were :

**RLF Ultra Foliar (Broadacre Plus)**, an Ultra Foliar HBS (High-analysis Broad-spectrum Solution) that applies the RLF technology called NDS to deliver the nutrient package through the leaf. This Ultra Foliar delivers the optimum amount of 12 nutrients in a single application. It is designed for broadacre crops. Broadacre Plus is up to 350% more efficient in nutrient delivery as the formulation is absorbed directly through the leaf cell walls and into the plant for immediate use. Unlike other foliar it is not inhibited by the need to access the plant via the stomata.

**RLF BSN Superstrike**, a Seed Priming Fertiliser that applies the RLF technology called SDS to imbibe the seed with a multi-nutrient formulation. BSN Superstrike is a HBS (High-analysis Broad-spectrum Solution), meaning it provides the optimum levels of seed nutrient in a single application. BSN Superstrike is easy to apply and is fast becoming the new world standard in modern farming practice where fertilising the seed is becoming as important as fertilising the plant.

Further information about both of these products can be found at [www.ruralliquidfertilisers.com](http://www.ruralliquidfertilisers.com).





# Thank you for viewing our Presentation

[www.ruralliquidfertilisers.com](http://www.ruralliquidfertilisers.com)

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## POSITION

**Agronomist RLF China  
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