

BSN SUPERSTRIKE GIVES EARLY INDICATION OF INCREASED YIELD OUTCOMES

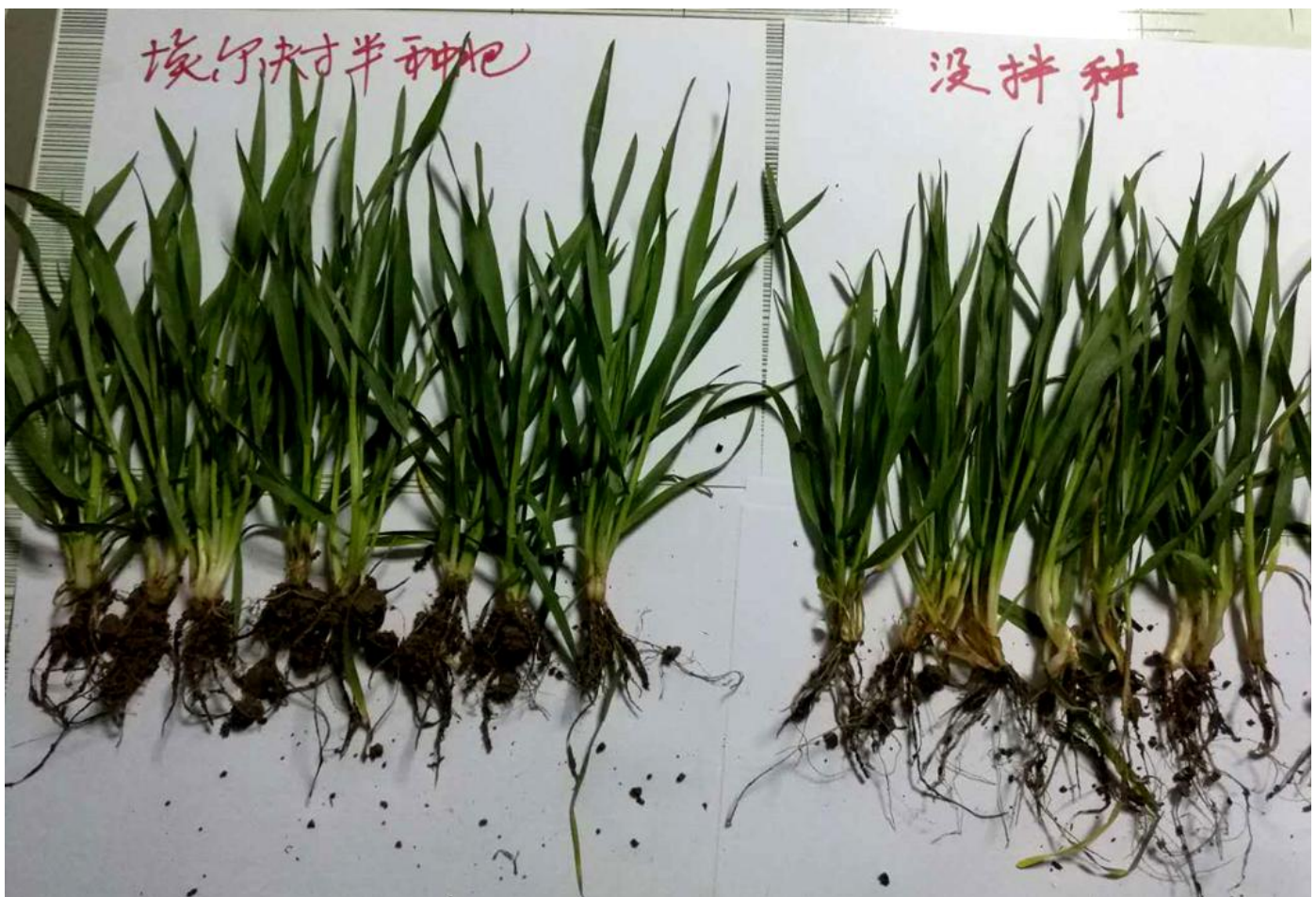
Wheat Production in Hubei Province is Expected to Rise

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The RLF Team recently visited grain growers in Hubei Province who had indicated a willingness to introduce **BSN Superstrike** into their fertiliser programs for the first time. The RLF Sales Manager for the region demonstrated how to use the high-technology, nutritional seed priming product in order to give the wheat crops the best possible start in setting yield potential and for ultimately achieving increased yield outcomes.

By comparing the different stages of root and shoot growth between that of a Control field, and the field that used **BSN Superstrike** on the wheat seed, significant effects can be seen.



TREATED WITH BSN SUPERSTRIKE

CONTROL

The Program and Observation Outcomes

The schedule for this evaluation trial was as follows :

Seed Priming date	12th October 2016
Germination date	24th November 2016
First Observation date	15th January 2017
Second Observation date	20th February 2017
Location	Buhe Town, Gonggan County, Jingzhou City, Hubei Province
Plot size	4 Mu (0.3 hectares) divided into two plots – one for Control, one for RLF treated seed
Application details	100ml BSN Superstrike diluted with 500ml water spread evenly by hand over 20 Jin (10 kg) wheat seed
Seed Priming date	12th October 2016

Priming the Seed



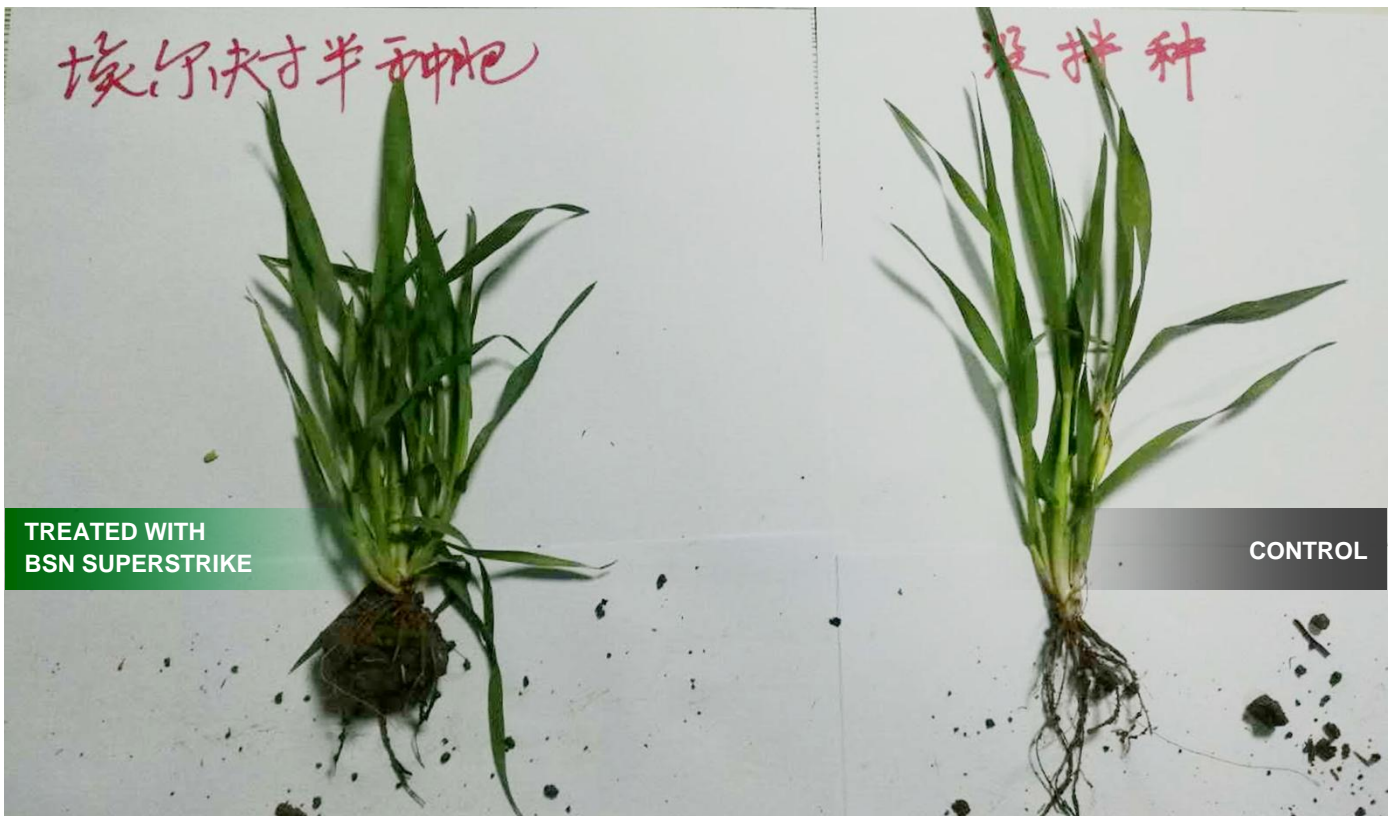
RLF staff guide the farmers in seed priming techniques and explain the benefits

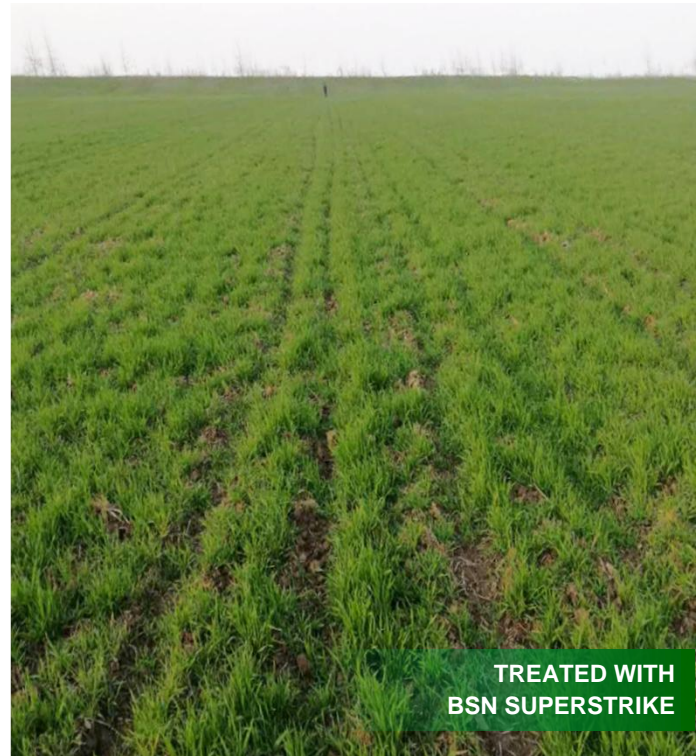
First Observation Day



At the first observation date (15th January 2017) the effect of **BSN Superstrike** on the wheat is not all that obvious. However as the days progressed the results became clearer.

Second Observation Day





The Farmer inspecting the differences between the two plots

When compared, the wheat treated with **BSN Superstrike** had a much more developed root system, numerous white roots, stout stems and more tiller growth and numbers than the Control field.

Whilst at the same time, the first flag leaf of the wheat treated with **BSN Superstrike** was still green, whereas the first flag leaf of the Control plot had died.

In short, the wheat treated with **BSN Superstrike** gave remarkable effects, and the local farmers were very satisfied with the application outcomes. They all expressed the desire to use **BSN Superstrike** on their wheat crops to be planted in the second half of 2017.

Fertilise the Seed, on the Inside



The Seed Priming Product Used

BSN Superstrike is a highly engineered seed priming product developed to provide the required level of optimal nutrients (particularly phosphorus) directly to the seed. This is achieved by priming (or imbibing) so that the seed has internal nutrient available to it from the very first day of its growth cycle.

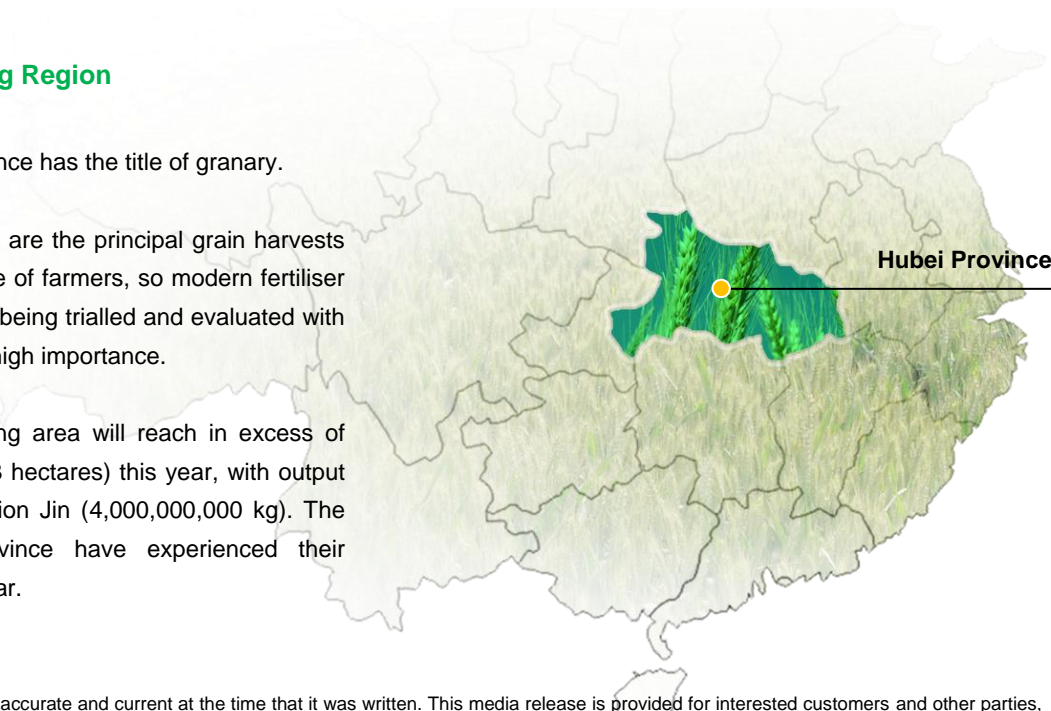
This achieved by :

- ✓ Biochemically chelated phosphorus, sulphur, manganese, zinc, copper, molybdenum and other required elements that can quickly enter inside the seed to provide adequate nutrition for seed germination.
- ✓ This process of priming ensures the strong growth of the embryo, hypocotyl and radical.
- ✓ It strengthens the young plant so it is more resilient in the seed germination process and sets it for better growth cycle as well as resisting the adverse effects of disease, drought and/or cold climate.
- ✓ The technologically advanced Seed Delivery System (SDS factor) ensures that nutrition penetrates the seeds safely and quickly. It enhances seed germination power and promotes rapid germination and development of the root system. Bud potential and germination rate is also increased making for uniform, strong seedlings.
- ✓ It gives crops additional features such as stout stems, high lodging resistance and higher yield.



About the Wheat Growing Region

- In China the Hubei Province has the title of granary.
- The summer grain crops are the principal grain harvests for increasing the income of farmers, so modern fertiliser programs such as those being trialled and evaluated with **BSN Superstrike** have high importance.
- The Hubei wheat planting area will reach in excess of 17 million Mu (1,133,333 hectares) this year, with output amounting to over 8 billion Jin (4,000,000,000 kg). The farmers of Hubei Province have experienced their biggest crop ever this year.



Hubei Province

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