

## RESULTS OF BSN SEED PRIMING FERTILISER ON RICE

### Evaluation Trials conducted in Bangladesh

by RLF's Distributor Partners in Bangladesh, Lal Teer Seed Limited



In early 2015 several trials were conducted by RLF's partner in Bangladesh, Lal Teer Seed Limited (a division of Multimode). The trial crop was rice and **BSN Seed Primer** products were under the spotlight. You are invited to read just how clear and pleasing the outcomes were, and the results that concluded that **BSN Superstrike** can be used effectively as a Seed Primer for rice crops in Bangladesh. Click [here](#).



[Click here to view this PER](#)



#### RESULTS OF BSN SEED PRIMING FERTILISER ON RICE

Evaluation Trials conducted in Bangladesh

3<sup>rd</sup> September 2015



**INTRODUCTION**

During January 2015 to April 2015 several trials were conducted at the Research and Development Farm in Bashon, Gazipur, Bangladesh. These trials were carried out by RLF's partner in Bangladesh, Lal Teer Seed Limited (a division of Multimode), and the map shows the location of the R&D Farm. This area historically receives approximately 30mm rainfall during these four months from an approximate number of 10 rain days. The trial crop under review in this Product Evaluation Report is Rice.

**DESIGN OF THE TRIAL**

The field experimental trial was specifically designed and conducted to judge the effectiveness of two RLF Seed Priming products:

- BSN Ultra, and
- BSN Superstrike

The variety of Rice selected for the experimental trial was BSN Dhan-29 and it was treated as follows:

- BSN Ultra at 5ml per kilogram of seed
- BSN Superstrike at 5ml per kilogram of seed

The seed was set on 13th February 2015. It was soaked for two days and then sown in seed beds on 15th February 2015.

**Fig. 5: Overview of the experimental plots at Vegetative Stage**

**SUMMARY**

**T4 BSN Ultra Seed Priming Fertiliser**

Results

↑ **11.7% INCREASE**

**T5 BSN Ultra Seed Priming Fertiliser**

Results

↑ **11.7% INCREASE**

**T6 BSN Superstrike Seed Priming Fertiliser**

Results

↑ **6.14% INCREASE**

**T7 BSN Superstrike Seed Priming Fertiliser**

Results

↑ **20.7% INCREASE**

**DESIGN OF THE TRIAL**

On 15th March 2015 after 28 days of establishment, the seedlings were transplanted into the experimental plots.

The trial design was in accordance with the documented framework for trials using a Randomised Complete Block Design (having the same number of blocks as replicates) with three replications. The plot size was 2.5m x 1.5m.

The field treatments were assigned as follows:

Treatment	Fertiliser	Seed Priming
T1	Cow dung + conventional fertiliser	
T2	BSN Ultra @ 5ml + 5ml watering seed	
T3	BSN Superstrike @ 5ml + 5ml watering seed	
T4	Cow dung + conventional fertiliser + BSN Ultra @ 5ml + 5ml watering seed	
T5	Cow dung + conventional fertiliser + BSN Superstrike @ 5ml + 5ml watering seed	
T6	Conventional fertiliser + BSN Ultra @ 5ml + 5ml watering seed	
T7	Conventional fertiliser + BSN Superstrike @ 5ml + 5ml watering seed	



**PERFORMANCE DATA OF THE TRIAL RESULTS**

Date on yield and yield contributing characters are given in the Table that follows:

**Effect of BSN Seed Primer on the Yield and Yield Contributing Characters of Rice**

Treatment	Plant height (cm)	Effective Tillers/Plant (number)	Panicle length (cm)	Filled grains/plant (number)	Unfilled grains/plant (number)	Yield (tonnes/ha)	% yield increase over control
T1	105	10	29	124	88	3.56	0
T4	104	9	29	125	53	4.00	11.72%
T5	102	10	29	113	578	3.80	6.14%
T6	102	10	29	136	49	4.00	11.72%
T7	102	10	29	142	46	4.32	20.87%

# BSN ULTRA

## Fertiliser for Seeds

# BSN SUPER STRIKE

## Fertiliser for Seeds

The content of this media page was accurate and current at the time that it was written. This media release is provided for interested customers and other parties, and will remain a matter of RLF's historical record. Viewed in this context RLF therefore undertakes no obligation to update either material or content.