



Aim:

Analyse the benefits of paddy crops by using an NBS kit which involves **NBS Bio Simulator, NBS Yield Booster, NBS Bug Shield and NBS Bio Protect** against conventional farming methods.

Introduction:

Nutrition is the most enunciated topic spoken around the world, everyone wants to eat nutritious chemical-free food, and farmers also want to produce what is beneficial for their soil and land, a food which is chemical and pesticide-free, their main focus across the world is to get maximum yield with minimum input cost.

Nutrition Bio Systems is a new bird in farming, but it comes with the strong backing of its promoter company, Nutri Tech Solutions, with 40 years of experience in 55 countries in the field of Nutrition Farming. Australia's leading provider of cutting-edge agricultural products and services.

Nutrition Bio Systems has a wide range of products for Plant Nutrition, Animal Nutrition and Human Nutrition.

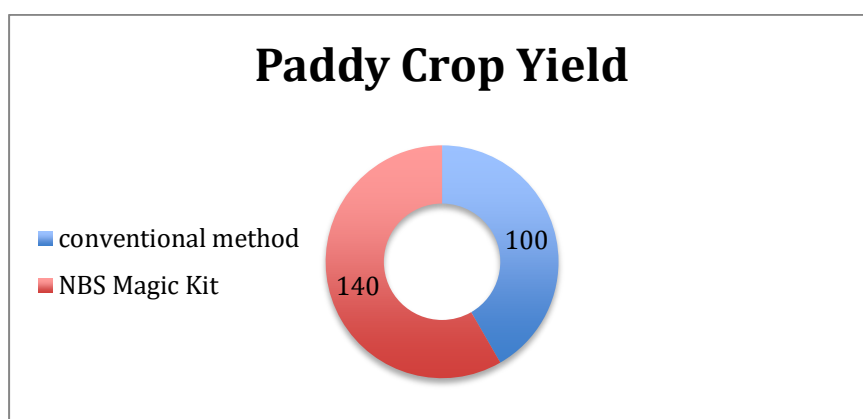
In May 2019, we prepared model farms for **Paddy Crop in Alor Setar, Kedah, Malaysia**. The tests were done with high-quality seeds to produce paddy crops. Analysis was done over 26 acres on different plots in and around the area of Alor Setar.

Research Methodology:

1. The trial was conducted on a total of 26 acres, with 13 acres using our Magic Box Paddy Kit and the remaining 13 acres following conventional farming methods.
2. Each Magic Box Paddy Kit was applied to 1 acre of land.
3. Primary data for this research was collected from trial fields in Kedah.
4. The model farms using the Magic Box Paddy Kit strictly adhered to the recommended application methods.
5. The same variety of virgin seeds was used in both the control (conventional farming) and treated (Magic Box Paddy Kit) farms.

Analysis:

1. The NBS Magic Paddy Kit increased paddy yield by 25%–30% due to its scientifically formulated components. **Yield Booster** (organic matter, organic carbon, potassium) enhanced soil fertility and nutrient uptake, while **Bio Protect** (organic matter, mineral potassium, phosphorus) strengthened plant immunity and stress tolerance. **Bio Simulator** (organic matter, organic carbon) improved microbial activity and root development, and **Bug Shield** (NPK) ensured a balanced nutrition and defence mechanism. This synergy led to healthier crops, improved grain quality, and higher productivity compared to conventional farming.



Graph 1: Showing higher yield when using NBS Magic Kit as compared to conventional farming

2. The paddy plants treated with the NBS Kit exhibited strong resistance to external stressors, maintaining optimal plant health throughout the trial period. The treated plants demonstrated enhanced vigour, improved immunity, and overall better physiological development, contributing to higher crop resilience and sustainability.



Image 1: Treated Farm NBS Kit showing.



Image 2: Controlled Crop.



Image 3: Treated Farm NBS Kit



Image 4: Controlled Farm



Image 5: Treated Farm NBS Kit.



Image 6: Controlled Crop



Image 7: Treated Farm (NBS) Kit



Image 8: Controlled Crop



Image 9: Treated Farm (NBS) Kit



Image 10: Controlled Crop



Image 11: Final Crop Treated (NBS Kit)

3. **The paddy grown with NBS kit was bigger than the controlled crop, it also had better taste and shine than the controlled crop.**
4. **The use of water was reduced in the NBS Kits Treated farm compared to the controlled farm.**
5. **With the use of the NBS kit, the Paddy Crop matured 30 days before the controlled plot paddy crop. Figure 2.0**

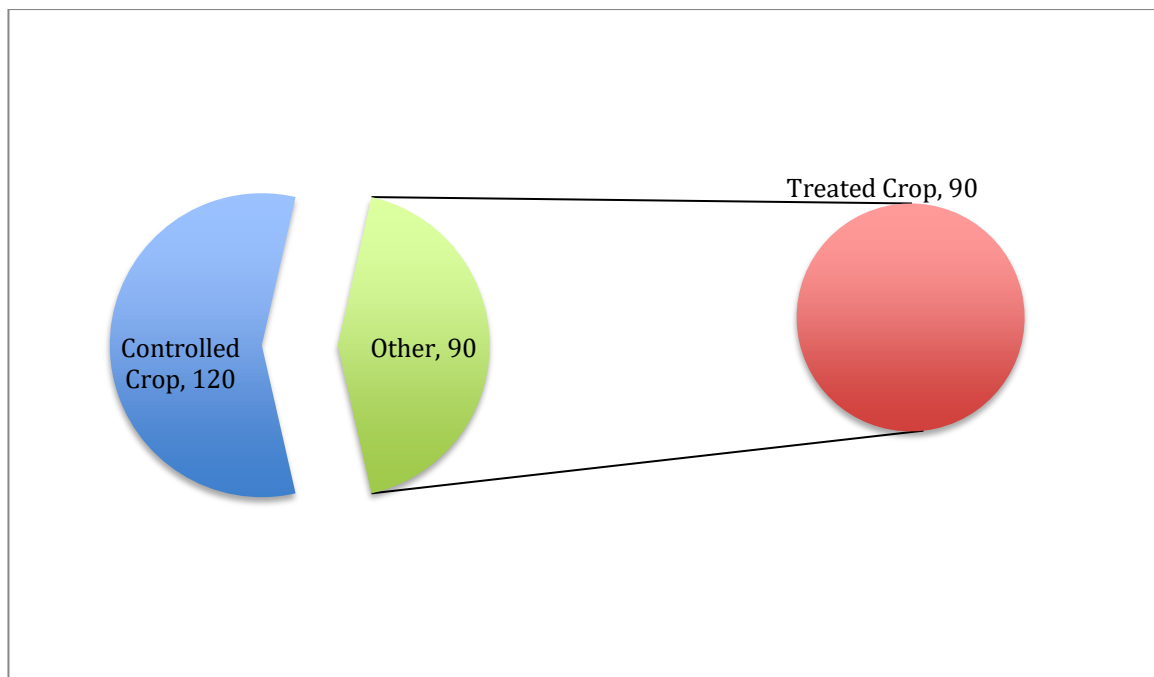


Figure 2.0

6. The final crop produced was healthy due to which the use of pesticides was reduced to a minimum, which saved a huge cost to the farmers.

Results and Conclusion

The Magic Kit offers transformative benefits for modern farming practices, making it a valuable tool for sustainable agriculture. Its advantages include:

- **30% Increase in Crop Yield:** Farmers experience a significant boost in productivity, enabling them to grow more produce on the same land area.
- **Reduced Water Usage:** The kit promotes efficient water management, leading to conservation of resources and supporting sustainable farming practices.
- **Improved Soil Quality:** By enhancing soil health, the Magic Kit contributes to long-term agricultural sustainability and higher productivity over time.
- **Decreased Pesticide Use:** The reduction in chemical inputs results in healthier crops with minimal residues, benefiting both farmers and consumers.

Additionally, the Magic Kit improves crop quality, producing larger, shinier, tastier, and more nutritious produce. This opens opportunities for farmers to access health-conscious markets and potentially achieve premium pricing due to the superior quality of their products.

The emphasis on soil improvement also suggests long-term benefits, enhancing farmland sustainability and productivity beyond the initial growing season. These features make the Magic Kit a holistic solution to key agricultural challenges, offering increased yields, healthier produce, reduced environmental impact, and improved soil health—all critical elements for sustainable farming.

Researcher: Kashish Dewan
General Manager
North India
Nutrition BioSystems

