

Paddy Trial : Irrigated Lowland Rice

Location: Philippines

Variety: Irrigated Lowland Rice

Harvest cycle: about 110 days

Trial Duration: May – September, 2007

Application Process: 28, 52, 73 and 86 Days after planting

Dilution Ratio: 1(NutraGreen™): 320(Water)

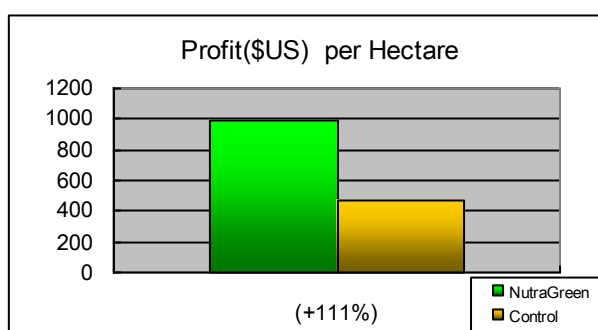
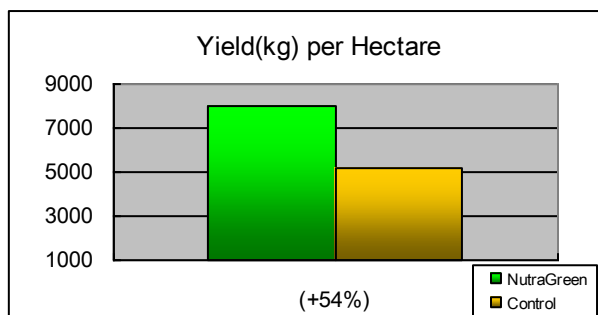
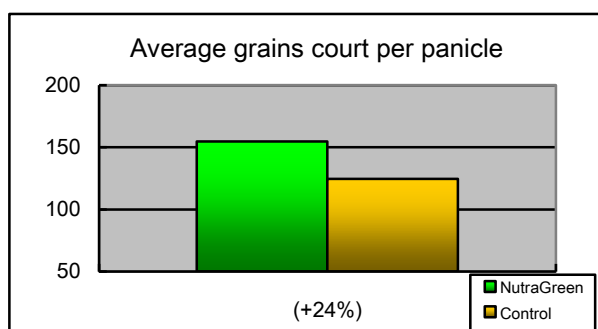
Application amount: Complementing farmers' practice of 160 liters of water to irrigate 1 hectare, 0.5 liter of NutraGreen™ was added to 160 liters of water per hectare



Trial objectives:

1. To measure crop safety of NutraGreen™ spray applications
2. To measure impact of NutraGreen™ on weight and yield
3. To establish the appropriate rates, timing and frequencies of NutraGreen™ applications

Result –



ITEM	CONTROL	NUTRAGREEN
-Yield (kg/ha)	5,200	8,000
-Price (USD/kg)	0.21	0.21
Total Revenue (USD)	1,075	1,654
-Fertilizer Costs	252	252
-Chemical Costs	62	62
-NutraGreen Cost	---	80
-Labor Cost	190	190
-Others Cost	116	116
Total Costs (USD)	621	701
Net Profit(USD)	454	953
Additional Profit	---	+ 499
Profit increase in %	---	+ 111%
Profit increased/Cost of NTG	---	6.24 / 1
Cost of Rice (USD/kg)	0.119	0.088



NutraGreen™ Plot (Left and Middle) showing greener and larger leaves than the untreated (Right).

Conclusion:

NutraGreen™ has effectively enhanced the number of grains per panicle by 24% and the weight of panicle by 17%. Yield and profit have increased by 54% and 111% respectively.

Remarks: This trial data was recorded and supplied by the FPA Accredited Researcher of Pampanga Agriculture College. "Control" refers to regular maintenance methodology including:

a). Fertilizer – Complete 14-14-14, Urea 46% N, Organic compost are applied.

b). Molluscicide – Niclosamide. Herbicide – Butachlor/Propanil. Insecticide – Cypermenthrin & Ethofenprox. Fungicide – Armure.

"NutraGreen" refers to the addition of NutraGreen™ over regular fertigation.