



Trial Summary - Rice



Trial date: 2015
Report: Fertiliser trial results season B 2015
Trial type: Split block comparisons
Product: C active foliar
Country: Rwanda
Company: ICM Agribusiness
Location: Bugarama, Gikonko, Rwamagana
Crop: Rice
Variety: Mfashingabo in Gikonko / Rwamagana
 Basmati 370 in Bugarma
Irrigation: Flood irrigation
Plot size: 30 square meter / plot

Fertiliser: ICM Protocol
 NPK 750g @ 0 DAT (Days after transplant)
 Urea 228g @ 16 DAT
 Urea 300g @ 40 DAT
 Potassium sulphate 210g @ 50 DAT
 Agrisil 50ml/15L water @ 85 DAT

 ICM Protocol + Biofertiliser (C active)
 C active application timing
 1. Nursery
 2. 20 DAT
 3. 35 DAT

C active Application: Knapsack

Results:

Table 1: Rice Production Data

| Treatment | Bugarma (T/Ha) | Gikonko (T/Ha) | Rwamagana (T/Ha) | Average (T/Ha) |
|------------------------------|----------------|----------------|------------------|----------------|
| ICM protocol | 4.02 | 4.45 | 5.54 | 4.67t |
| ICM protocol + Biofertiliser | 4.70 | 5.90 | 6.99 | 5.86 |



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Yield: Across 3 sites Biofertiliser (C active) increased yield by 1.19 T/Ha when used in addition to the standard ICM protocol.

Conclusion: The effect of C active was first seen in the nursery. Results in Rwanda were similar to split block demonstrations in Ghana in 2014. Without reducing nitrogen inputs Biofertiliser (C active) was affective.

Full trial reports can be supplied on request.



Observation on 05 March 2015 (25 DAT) in CYARUHOGO and GASHARA fertilizers plots:



Thinkbio would like to acknowledge and thank ICM Agribusiness for their work in conducting this trial.

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