

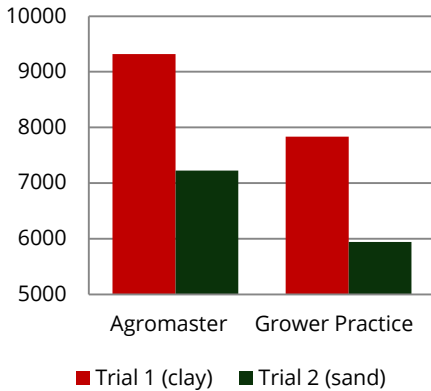
Trial Information Agromaster®

RICE



Picture: IRTA trial station

Yield (kg/Ha)



Agromaster is a controlled release fertilizer combining quick, initial nutrient release with release of coated nutrients over a long period.

Agromaster combines ICL SF's advanced coating technology with specially selected conventional granules. This powerful combination provides controlled release action and high-quality performance in one uniform product.

Trial set-up

Objective:

Prove that using Agromaster as 100% base fertilizer will result in better yields compared to grower's practice consisting in 3 split fertilizations

When:

Sowing, 5/5/2015

Harvest, Trial 1: 8/10/2015, at 14.8% grain humidity

Trial 2: 2/10/2015, at 20.5% grain humidity

Trial station:

Trial 1: IRTA, Amposta, Catalunya, Spain

Trial 2: Illa de Riu, St. Jaume, Catalunya, Spain

Crop:

Rice, Gleva variety

Soil type:

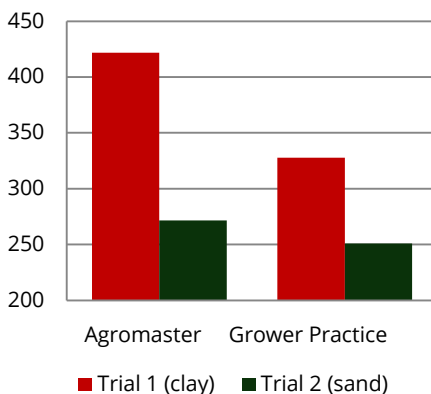
Trial 1: Silty clay loam. 61.7% silt, 34.3% clay and 4.0% sand

Trial 2: Sandy loam. 85.9% sand, 8.4% silt and 5.7% clay

Assessments:

Panicles and Total yield

Panicles/m²



Conclusions

- By using Agromaster the panicles/m² and subsequent yield increased significantly in both types of soil
- One basal application of Agromaster has better results than three split applications of traditional fertilizers, increasing the yield with 19-22%
- The farmer gross income increased around 22-27% by using Agromaster

Treatment	Formula	Fertilizer units, kg/ha			Stage
		N	P ₂ O ₅	K ₂ O	
ICL SF	Agromaster 30-8-11 4-5M (70% coated N)	160	42	58	Before sowing
Total units for ICL SF treatment =		160	42	58	
Grower Practice	Urea + Superphosphate + Potassium Sulphate	53	42	58	Before sowing
	Ammonium Sulphate	53			Early tillering
	Ammonium Sulphate	53			Panicle initiation
Total units for Grower Practice treatment =		160	42	58	

Economic evaluation	Agromaster	Grower practice	Increase with ICL SF treatment
Rice Price (€/Ton)	300 €	300 €	
Total Yield Trial 1 (Ton/Ha)	9.32	7.84	19%
Total Yield Trial 2 (Ton/Ha)	7.23	5.94	22%
Fertilization costs (€/Ha)	373 €	295 €	
Labor cost for extra 2 top dress applications		70 €	
Gross income Trial 1 minus Fertilizers cost	<u>2.423 €</u>	<u>1.987 €</u>	22%
Gross income Trial 2 minus Fertilizers cost	<u>1.796 €</u>	<u>1.417 €</u>	27%



Why Agromaster performs better ?

- Using CRF, we supply levels of nitrogen adequate to the plant requirements along the entire vegetative growth, which results in a better development of the plant
- Decreasing the amount of fertilizations from 3 to 1 eliminate short periods of high nitrogen input. This results in a balanced nutrition and healthier plants, while avoiding unwanted and unnecessary vegetative growth

Attention

Recommendations in this trial info sheet are based on local soil and/or water analyses. Please contact your local ICL Specialty Fertilizers adviser for your personalized fertilizer recommendation. Consult www.icl-sf.com for your contact in the region.

Distributed by:

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