

BIO SEED INOCULANT ON RICE YIELD, TN 2019

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A 6x30 ft. plot, replicated trial, was carried out in CL 152 dry-seeded paddy rice, planted on May 27 and harvested September 11, 2019, at Agricenter International in Memphis, TN, on a pH 6.5, good fertility and drainage, Falaya silt loam soil. Seed treatment was done with SEDRLA seed treater, at planting.

Bio Seed alone, in seed treatment at 136 g/cwt (0.3% per 100 lb. seed weight), at planting, yielded significantly higher (by 12.1 bu./ac. or 17%) and \$ 60.10 /ac. net profits, higher than the untreated control (table & figure).

Treatment	Rate & unit	Yield* (bu./ac.)	Yield increase		added income	added costs	net profits
			bu./ac.	%	US \$/ac.		
Control	-	72.9 b	-	-	-	-	-
Bio Seed	136 g/cwt	85.0 a	12.1	17	72.60	12.50	60.10
LSD P=.05		12.3					

* Means followed by same letter do not significantly differ (P=.05, LSD).

