



## Summary of key scientific publications regarding biochar on main tropical crops

<b>TYPE OF CROP</b>	<b>AUTHORS</b>	<b>LOCATION</b>	<b>TYPE OF SOILS</b>	<b>QUANTITY OF BIOCHAR (T/HA)</b>	<b>YIELD INCREASES (%)</b>
Rice	Asai et al.	Houay-Khot, Nord du Laos	upland	8	70%
Rice	Steiner et al.	Manuas, Brésil	xanthic ferralsol / laterite	11	73%
Rice	Masulili et al.	Sungai Kakap, Indonesia	acid sulphate soil	10	93%
Rice	Zaitun et al.	Empretring, Indonesia	–	10	57%
Sugarcane	Chen et al.	Okinawa, Japan	shimajiri maji (clay)	7,2	78%
Tomato	Effah et al.	Kade, Ghana	forest ochrosol	7	177%
Cotton	Reddy	Midjil Mandal, Andhra Pradesh, India	alkaline	3,75	100%
Cabbage	Carter et al.	Siam Reap, Cambodia	sandy acidic	100	750%
Maize	Major et al.	Llanos Orientales, Colombia	savanna oxisol	8	71%
Maize	Major et al.	Llanos Orientales, Colombia	savanna oxisol	20	140%
Maize	Kimetu et al.	Vihiga, western Kenya	highly degraded ultisol	6	71%
Peanut	Islami et al.	Malang, Indonesia	clay loam	15	54%
Cowpea	Tagoe et al.	Gifu, Japan	sandy loam	–	146%
Casava	Islami et al.	Malang, Indonesia	clay loam	15	32%
Onion	Pro Natura	Senegal	–	10	50%