

Sugarcane Leaves Briquette



“ **Sugarcane Leaves Briquette**
utilizes as a fuel in industrial boiler,
low % moisture content and to
boost up boiler efficiency ”



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ALTERNATIVE FUTURE FUEL

Sugarcane Leaves Briquette Development



Sahagreen Forest Company Limited is a very small power producer (VSPP) located in Amphoe Phran Kratai, Kamphangphet, the upper central of Thailand where is the one of the largest sugarcane cultivation sources.

The company has realized the environmental impact from outdoor burning agricultural residues in every year and carefully handles this pollution issue by collecting and utilizing the sugarcane leaves within 70 kilometers radius of company location that estimated available sugarcane leaves volume approximately 100,000 MT in one year-round harvesting.

Sugarcane Leaves Briquette Production



Sahagreen Forest biomass powerplant has operated under ISO 9001:2015 Quality Management System. Likewise, mass production of briquette is part of powerplant fuel production so, all processes would be controlled and regulated according to the work instruction under ISO 9001:2015 including the internal inspection in quality control.

Sugarcane Leaves Briquette Utilization



Obviously, Sugarcane Leaves Briquette could be utilized as a fuel in industrial boiler and also in Sahagreen Forest powerplant boiler. As the briquette itself has low %moisture content and prove the result low %unburned after combustion, this bring about boiler efficiency is to increase.



Sugarcane Leaves Briquette Production



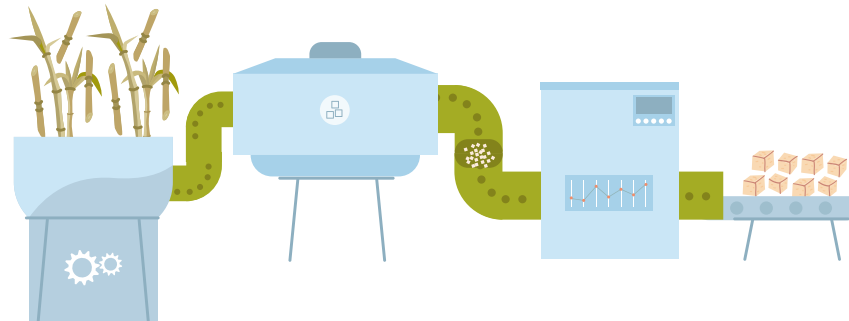
1

Buying sugarcane leaves from local farmers



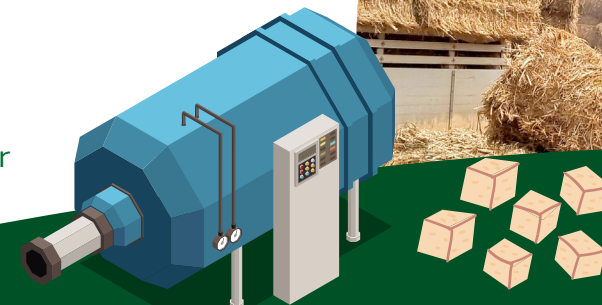
2

Chopping and control moisture before compression step



3

Sugarcane Leaves Briquette utilizes as a fuel in industrial boiler



Product Testing Results

Parameter	Unit	Specification
Moisture content	%	≤ 12
Ash content	%	approx. 20
Net calorific value	kJ/kg	≥ 10,500
Bulk density	kg/m ³	≥ 320

*Sugarcane Leaves Briquette size 3 x 3 x 3 cm.

