

**Investigations on possibility or using the tobacco stems to producing eco pellets**

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The study presents the results of studies on the use of tobacco stems for ecopellet production. We describe their technology from stems to eco pellets. Compression technology was used without any adhesive, etc. supplements. The technological transformations of the products are shown in Image.

The bulk density of the resulting chips is 130 kg / m<sup>3</sup>, of the pellets 640 kg / m<sup>3</sup>, which is within the standards of the standard.

Tobacco stem ecopellets in calorific value (3062 kcal / kg) are close to briquettes and brown coals (3500 kcal / kg) and significantly exceed wood (2500 kcal / kg). Expressed in electrical equivalent, the combustion of 1 kg of tobacco stem ecopellets equals 3.6 kW of electricity. The data is from certificate 184001-S010320-0242 / A1 of SGS Bulgaria. The results show that this is an opportunity to produce eco pellets and their net calorific value.

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