

Tall wheatgrass - *Elymus elongatum* Host.

Bamar^{PBR}

(PBR - plant variety protected by the national Plant Breeders' Rights)



Variety characteristics

Type	perennial, very persistent
Usage	fuel – baled straw, pellets, briquettes, biogass production, coverage of roadsides, cellulose and paper industry, animals feed
Time of seed harvest	I decade of September
Winter hardiness and frost resistance	very good
Resistance to leaf diseases	very good

A non-rhizomatous bunchgrass, yielding 10-16 t/ha of dry mass. The seed yield is at 1-3 dt/ha.

Energy value and chemical composition of selected biofuels in terms of combustion

(Martyniak D., Martyniak J., Żurek G., 2012)

Biomass material	Caloric value	Ash %	Sulphur %	Chloride %
Miscanthus giganteus	17-18	3	0,05	0,1
Reed canary grass	14-15	5-9	0,15	0,5
Tall wheatgrass	17 -18	3-4	0,05	0,1
Willow	17-19	2- 4	0,05	0,5
Coal	25-28	16-18	0,8	0,1