

“FIBRANOVA” Tech Sheet



DENOMINATION

Industrial Hemp Variety ‘FIBRANOVA’

DESCRIPTION

Dioecious hemp variety selected in northern Italian environments, with spring sowing and late cycle.

Tall plant (3-4 m), with low predisposition to preflowering.

Fibranova was selected mainly for its high fiber yield, above 3 t/ha. The variety has good vegetative uniformity, high vigor and rusticity.

It is a CBD-prevalent variety (chemotype 3), with an average concentration of CBD 1-3% on dry matter, residual THC is <0.3% on dry matter.

In Italy, the recommended growing environment is the Po Valley and northern Italy.

USE

Suitable for the production of textile fiber and technical use products

AUTHORISATIONS

Ministerial decree registration:

OJ publication:

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MANTAINER

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CHARACTERISTICS

Name:	Fibranova
Sex:	Dioecious
Ideal latitude:	Central and southern Europe, North America, continental climate
Weight 1000 seeds:	19-20 g
Sowing time (for seed):	May
Sowing density (for seed):	10 kg/ha
Optimum density (for seed):	40 plants per square meter
Sowing time (for straws):	March/April
Sowing density (for straws):	80-100 plants per square meter
Optimum density (for straws):	August
Seed harvesting time	End of September/Early October
Straw harvesting time	August
Seed yield:	400-600 kg/ha
Fresh straw yield:	11/12 t/ha
Dry straw yield:	1:2 - 1:3
Fiber weight/shives weight:	22/26%
Total fiber yield:	12%
Yield in fine textile fiber:	

HISTORY

The Fibranova variety was selected in the last century in northern Italy and derives from the genealogical selection of crosses between the other historical varieties Carmagnola and Eletta Campana. In Italy, the variety has not been commercialized in the past two decades; it was multiplied in Piedmont in the years 2017/2018, but only for the North American and Canadian markets where it was considered very satisfactory in terms of yields and quality by farmers and users of derived products.

The technical sheet was compiled with data from the technical sheets of the Breeder and Responsible for Varietal Purity Preservation (CREA) and the 20 years' experience of open-field cultivation of historical Italian varieties in Piedmont.