

Overview of hemp varieties in Europe

Hana Gabrielová

Hempoint s.r.o.

Czech Republic

Ukrainian varieties variation

	Gliana	Zolotoniski 15	Glesia
Height: 2500 - 3500 cm	2,5-3 m	2,2 -3 m	2,2-3 m
THC Content:	Ultra-low, below 0.005%	0,03 %	0 %
Vegetation Period:	115 - 120 Days	125 - 130 Days	115 - 120 Days
Timing:	Plant in April and Harvest in September	Plant in April and Harvest in September	Plant in April and Harvest in September
Straw Yield kg/ha:	7500 -8000	9000 -11000	7500 -8000
Grain Yield kg/ha:	1000 – 1200	700 – 800	1700 – 2000
Fiber:	30-32% (not irrigated)	29-31 %	28-30%
Tensile Strength of Fiber:	30-38 MPa	36-39 MPa	32-40 MPa
Linear Density of Fiber:	30-35 tex	35-42 tex	32-42 tex
Sex	Monoecious	Monoecious	Monoecious
Seed Protein Content:	26-28 %	32 %	35,4 %
Seed Oil Content:	34%	34%	35,4 %
Uses:	Grain or Grain and Fiber	Grain or Grain and Fiber	Grain or Grain and Fiber
Origin:	Ukraine	Ukraine	Ukraine

Hungarian varieties variation

Variety (Hybrid)	Sexual type	Traits		fibre content (%)	fibre fineness	TSW	THC%
		seed yield	stem yield				
Kompolti	dioecious	small	very high	27-30	average	19-21	<0,2
Tiborszállási	dioecious	average	average	25-28	very good	19-21	<0,2
Uniko-B	SC hybrid (F1 unisexual, F2dioecious)	very good in F1	very high	27	good	19-20	<0,2
Kompolti Hybrid-TC	TC hybrid (SC unisexual)	good	very high	26	average	19-20	<0,2
Cannakomp	TC hibrid (SC unisexual)	good	high	25-28	very good	19-20	<0,2
Lipko	TC hibrid(sexually mixed population)	very good	high	26	good	19-20	<0,2
Monoica	monoecious	very good	high	25	good	16-18	<0,2
Fibrol	monoecious	good +high oil content	average	23	very good	15-16	<0,2
KC Dóra	monoecious	good	high	24	average	16-18	<0,2
Tisza	SC hybrid (F1 unisexual, F2dioecious)	good	very high	25-28	average	20	<0,2
KC Zuzana	monoecious	very good	average	23	good	15	<0,2
KC Virtus	SC hybrid (F1 unisexual, F2dioecious)	good	very high	27,5	average	18-19	<0,2

French varieties variation

Variety	Sexuality	Early flowering	Potential return of the straw in Ton/Ha (16% moisture content)	Potential biomass in Ton/Ha (16% moisture content)	% of fibre (before any process)	THC
USO 31	Monoic	July 20	17.00	21.05	39.80	0.005
Ferimon	Monoic	July 31	19.90	24.70	36.80	0.07
Fedora 17	Monoic	August 1	20.15	25.00	34.40	0.05
Felina 32	Monoic	August 4	20.55	25.50	35.90	0.06
Santhica 27	Monoic	August 6	20.75	25.75	40.85	0.00
Futura 75	Monoic	August 15	22.75	28.20	34.40	0.06