

2023 Fiber and Dual-purpose Trials

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- The main objective of the trials is to evaluate cultivar performance for fiber and dual-purpose production at two planting dates.
- Cultivars showed different degrees of lodging after exposure to rainstorms whose wind speeds reached up to 11.2 and 14.1 mph on July 1st and July 13th, respectively.

2023 Preliminary Results

- Days to 50% population-level flowering and days of flowering completion varied among cultivars and between planting dates.
- Seed maturity was consistently observed 6-7 weeks after 80% of plants reached flowering.

Fiber								
Cultivar	Provider	Germ %	TSW* g	Seeding rate lb/acre	1 st Planting (May 18 th)		2 nd Planting (June 9 th)	
					Days to 50% Flowering	Days from 1% to 50% Flowering	Days to 50% Flowering	Days from 1% to 50% Flowering
DongMa	Kanda Hemp	81	20	102	87	18	75	26
Fibror 79	KonopiUS LLC	83	19	94	73	16	61	19
Futura 83	KonopiUS LLC	89	18	82	76	16	61	18
GVA-H-23-1142	Cornell	90	23	106	-	-	-	-
GVA-H-23-1143	Cornell	90	36	165	-	-	-	-
Jurassic	Verve Seed	90	13	61	78	24	68	32
Muka 76	KonopiUS LLC	83	14	71	69	22	54	16
Santhica 70	KonopiUS LLC	80	13	65	62	12	47	12
Silesia	UniSeeds Inc.	71	17	97	55	19	40	11
SS Beta	IND HEMP LLC	90	20	91	98	17	82	30
Ursa 'Alta'	Cornell	83	22	109	-	-	-	-
ZhongMa	Kanda Hemp	84	16	79	85	18	75	28

Target planting density: 30 plants ft⁻² (323 plants m⁻²)

* Thousand seed weight

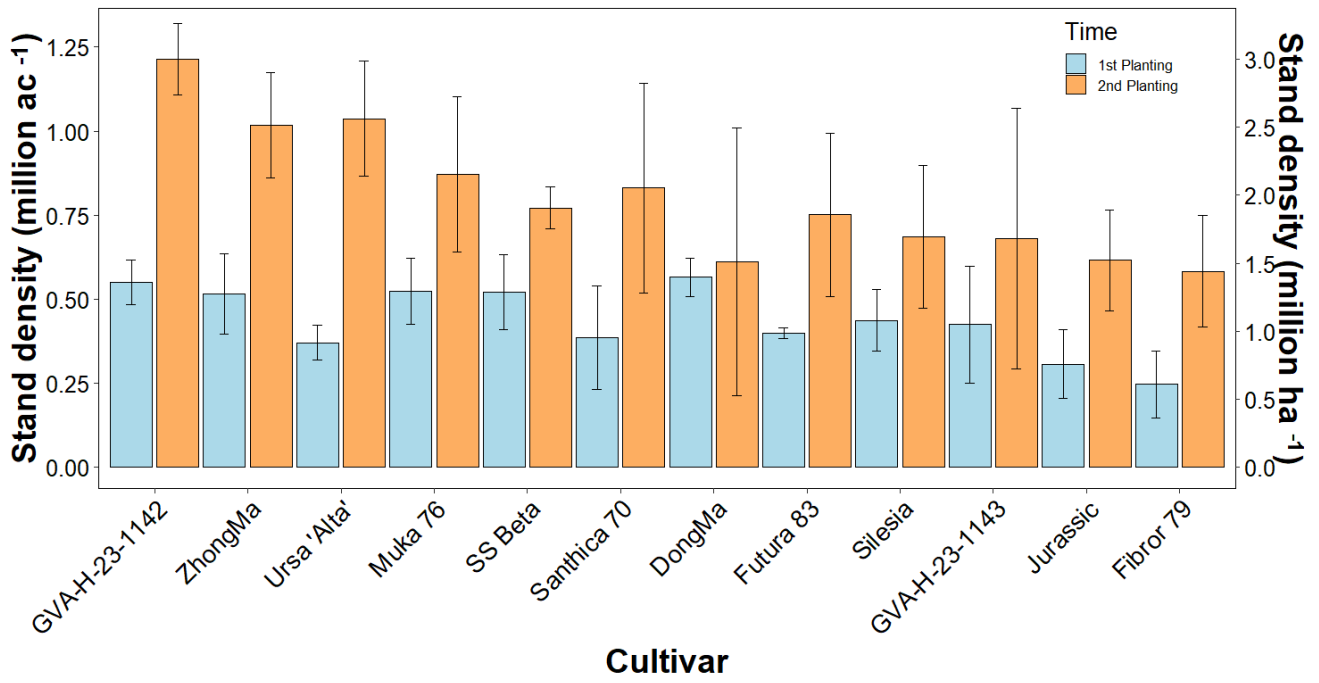


Figure 1. Mean stand density of 12 fiber cultivars at 3 weeks after planting.

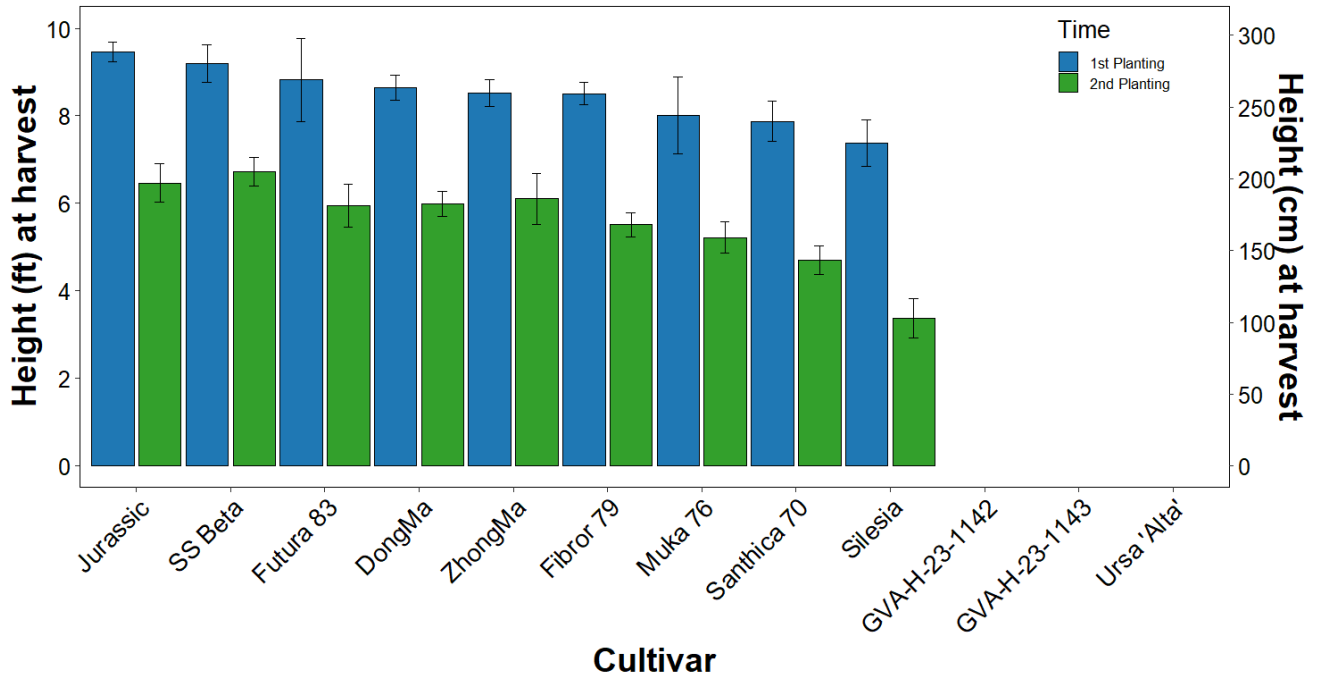


Figure 2. Mean canopy height of 12 fiber cultivars at harvest.

Dual-purpose

Cultivar	Provider	Germ %	TSW* g	Seeding rate lb/acre	1 st Planting (May 18 th)		2 nd Planting (June 30 th)	
					Days to 50% Flowering	Days from 1% to 100% Flowering	Days to 50% Flowering	Days from 1% to 100% Flowering
					Anka	UniSeeds Inc.	92	15
Bialobrzeskie	International Hemp	97	16	24	56	43	37	13
Carmenecta	International Hemp	80	20	38	77	35	55	24
Earlina 08FC	KonopiUS LLC	81	14	25	44	18	28	9
Fedora 17	KonopiUS LLC	92	19	30	56	39	35	16
Felina 32	KonopiUS LLC	94	16	26	63	27	39	20
Ferimon 12	KonopiUS LLC	94	18	28	56	26	35	14
Futura 83	KonopiUS LLC	93	20	32	77	40	50	20
GVA-H-23-1142	Cornell	90	23	39	-	-	-	-
GVA-H-23-1143	Cornell	90	36	60	-	-	-	-
Henola	International Hemp	92	16	26	51	20	33	11
Indigo	Verve Seed	71	11	22	56	32	35	20
Orion 33	KonopiUS LLC	75	18	37	61	22	42	17
Silesia	UniSeeds Inc.	91	17	28	54	27	35	14
T3H2006	Verve Seed	88	13	22	63	56	50	31
Ursa 'Grande'	Cornell	92	21	34	86	51	54	29
Vega	UniSeeds Inc.	90	21	35	44	25	32	9
X-59	IND HEMP LLC	93	17	28	36	20	26	14

Target planting density: 12 plants ft⁻² (129 plants m⁻²)

* Thousand seed weight

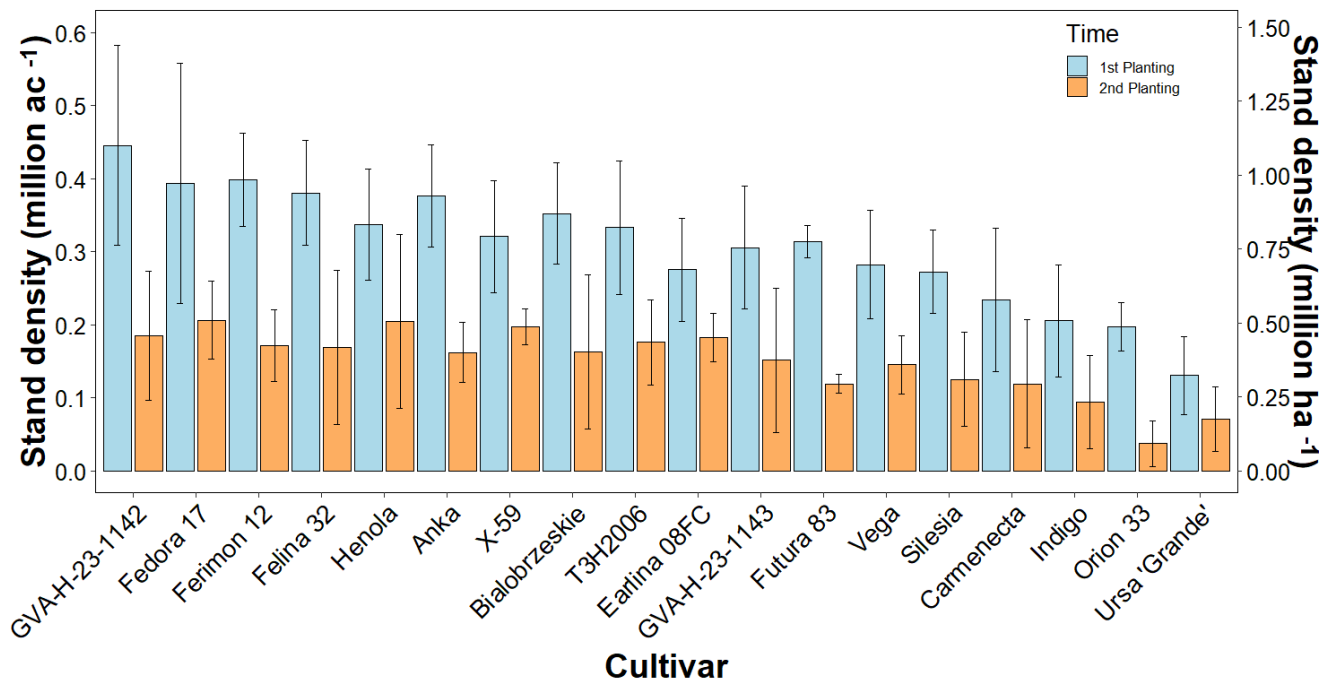


Figure 3. Mean stand density of 18 dual-purpose cultivars at 3 weeks after planting .

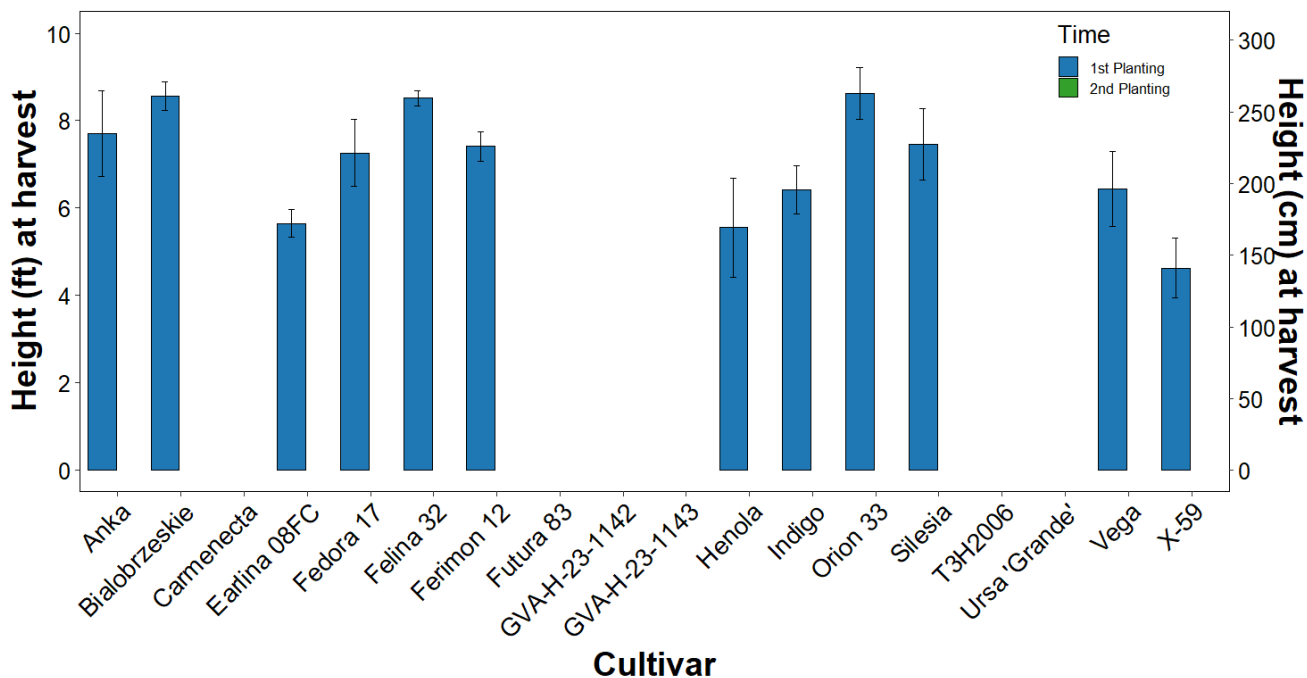


Figure 2. Mean canopy height of 18 dual-purpose cultivars at harvest.