

Global Hemp Association Fiber Variety Trial Summary**Kansas Latitude 38.3**

22-Aug-22

VARIETY #	VARIETY NAME	ORIGIN	D9 THC %	Total THC %	WET LBS/ACRE	WET TONS/ACRE
1	Bialobrzieski	Polish	0.0230	0.0724	17121.5	8.6
2	Futura 83	French	ND	0.0215	16456.0	8.2
3	Fibror 79	French	0.0072	0.0465	11011.0	5.5
4	Yuma	Chinese	0.0095	0.0742	19118.0	9.6
5	MS-77	Australian	ND	0.0168	25168.0	12.6
6	Puma	Chinese	0.0241	0.2110	23292.5	11.6
7	JinMa	Chinese	0.0129	0.0803	19662.5	9.8
8	CFX-2	Canadian	0.0074	0.0300	0.00	0.00
9	Rajan	Polish	0.0831	0.5960	0.00	0.00
10	IH Williams SS Beta	Domestic	ND	0.0732	173363.5	8.7

Global Hemp Association Fiber Variety Trial Summary
North Carolina 34.9 Latitude

VARIETY #	VARIETY NAME	ORIGIN	D9 THC %	Total THC %	WET LBS/ACRE	WET TONS/ACRE
1	Bialobrzieski	Polish	0.0097	0.0243	NA	NA
2	Futura 83	French	0.0320	0.0806	980.1	0.49
3	Fibror 79	French	0.0306	0.0816	NA	NA
4	Yuma	Chinese	<LOQ	0.1160	12142.4	6.07
5	MS-77	Australian	<LOQ	0.0843	11380.1	5.69
6	Puma	Chinese	0.0243	0.4680	13558.1	6.78
7	JinMa	Chinese	0.0149	0.2390	9474.3	4.74
8	CFX-2	Canadian	<LOQ	<LOQ	NA	NA
9	Rajan	Polish	0.1340	0.4000	NA	NA
10	IH Williams SS Beta	Domestic	ND	0.1910	3049.2	1.52

Global Hemp Association Fiber Variety Trial Summary
South Dakota 44.4 Latitude

VARIETY #	VARIETY NAME	ORIGIN	D9 THC %	Total THC %	WET LBS/ACRE	WET TONS/ACRE
1	Bialobrzkeski	Polish	0.0293	0.1210	7729.8	3.9
2	Futura 83	French	0.0118	0.0868	6733.4	3.4
3	Fibror 79	French	0.0138	0.0473	9757.7	4.9
4	Yuma	Chinese	0.0309	0.2110	9999.6	5
5	MS-77	Australian	0.0636	0.3860	9724.5	4.9
6	Puma	Chinese	0.0208	0.0697	11563.1	5.8
7	JinMa	Chinese	0.0656	0.3890	NA	NA
8	CFX-2	Canadian	0.0092	0.0427	NA	NA
9	Rajan	Polish	0.0415	0.2420	6534.0	3.30
10	IH Williams SS Beta	Domestic	0.0126	0.1150	10005.7	5

Global Hemp Association Fiber Variety Trial Summary
Pennsylvania 40.7 Latitude

VARIETY #	VARIETY NAME	D9 THC %	Total THC %	WET LBS/ACRE	WET TONS/ACRE
1	Bialobrzkeski	0.1650	0.4190	6586.4	3.3
2	Futura 83	0.0390	0.0829	14764.1	7.4
3	Fibror 79	ND	0.0724	11777.5	5.9
4	Yuma	0.0148	0.2560	27013.5	13.5
5	MS-77	ND	0.0852	14092.4	7.1
6	Puma	ND	0.1560	15883.6	7.9
7	JinMa	ND	0.1390	3606.7	1.8
8	CFX-2	0.0118	0.0511	NA	NA
9	Rajan	0.0538	0.3210	NA	NA
10	IH Williams SS Beta	0.0288	0.4590	4485.2	2.2

Global Hemp Association Fiber Variety Trial Summary

Texas

34.9 Latitude

900,000 Plants/Acre

PLANT DATE

July 25 2022

VARIETY #	VARIETY NAME	ORIGIN	SEEDS PER LB	FINAL POP/ACRE	% GERMINATION	PLANT VIGOR
1	Bialobrzieski	Polish	34,626	350,784	39.0	4.3
2	Futura 83	French	23,502	235,872	26.2	4.5
3	Fibror 79	French	22,126	278,208	30.9	4.3
4	Yuma	Chinese	14,131	350,784	39.0	4.3
5	MS-77	Australian	16,989	223,776	24.9	4.3
6	Puma	Chinese	14,538	254,016	28.2	4.5
7	JinMa	Chinese	13,787	127,008	14.1	4.3
8	CFX-2	Canadian	28,350	163,296	18.1	4.3
9	Rajan	Polish	30,039	163,296	18.1	4.5
10	IH Williams SS Beta	Domestic	33,057	350,784	39.0	4.5

Global Hemp Association Fiber Variety Trial Summary**New York 42.9 Latitude**

VARIETY #	VARIETY NAME	D9 THC %	Total THC %	WET LBS/ACRE	WET TONS/ACRE
1	Bialobrzieski	0.0276	0.142	23131.7	11.6
2	Futura 83	0.0114	0.0434	10778.7	5.4
3	Fibror 79	ND	0.0186	24448.7	12.2
4	Yuma	0.0769	0.142	24316.2	12.2
5	MS-77	LOQ	0.0122	20130.6	10.1
6	Puma	0.0787	0.495	8078.4	4.0
7	JinMa	0.0141	0.0801	3267.6	1.6
8	CFX-2	0.0113	0.0255	5387.5	2.7
9	Rajan	0.0357	0.124	18613.50	9.3
10	IH Williams SS Beta	0.0108	0.0685	5783.8	2.9

Global Hemp Association Fiber Variety Trial Summary

Missouri

Latitude

VARIETY #	VARIETY NAME	D9 THC %	Total THC %	WET LBS/ACRE	WET TONS/ACRE
1	Bialobrzkeski	NA	NA	0	0
2	Futura 83	NA	NA	0.0	0
3	Fibror 79	NA	NA	0.0	0
4	Yuma	ND	0.0415	14.6	0.00729
5	MS-77	ND	0.0903	20.1	0.01004
6	Puma	0.0091	0.2230	18.15	0.009075
7	JinMa	NA	NA	3.05	0.001525
8	CFX-2	NA	NA	0.00	0
9	Rajan	NA	NA	0.00	0
10	IH Williams SS Beta	NA	NA	0	0

Idaho Location:

Crop Research Organization (CRO) was unable to handle the parameters of the protocol and rescinded their trial acceptance prior to trial initiation.

Wisconsin Location:

Crop Research Organization (CRO) was chosen, and trial parameters were agreed upon. Wisconsin (unlike the nine other states) is monitored by the USDA for their hemp program, instead of a state run program.

CRO submitted for a hemp license and filled out the proper paperwork. Once receiving application, the USDA called for a meeting between the CRO, USDA Bill Richmond, Chief, U.S. Domestic Hemp Production Program, Specialty Crops Program, AMS, USDA, and the study director (Melissa Nelson).

After meeting with the USDA and answering his questions and concerns Bill said he would review the protocol and contact us. The USDA then called for another meeting and threatened federal repercussions to the CRO if he chose to move forward with the trial and a variety happened to go above the legal THC limit. I then pointed out it was incorrect because this was a crop destruct trial, and no material would be entering commercial harvest. Bill then stated to the CRO that if the crop were above the THC limit, he would be sending federal officers to his facility and he had the potential to face federal charges for growing an illegal substance. The second meeting was concluded on that note. Two days later the CRO contacted study director and notified he was unwilling to initiate the trial. It was too close to planting to pursue another location.

Louisiana Location:

Louisiana projected planting on 04/26/2022 but was halted by the Department of Ag because that state required a THC test from the parent plants. That is being acquired as we speak, and planting should proceed this week. (All parent plant THC tests can be found in the seed labels & analysis folder)

Louisiana – Has planted twice and plants are dying within seven days of emergence. Through a process of elimination, we believe it was a cotton herbicide used as a pre-emerge in 2021 that is causing the problem. Location may not be salvageable for harvest data.

Louisiana - trial lost to herbicide residual from 2021 spring maintenance application on cotton.