



HEMP BULLETIN

Volume 1, Issue 2

August 2009

Notes

- CHTA AGM Winnipeg November 16 at 7:00 pm Victoria Inn
- Check the CHTA website for a new membership questionnaire. Your feedback is important. Take a few minutes and complete the questionnaire. It can be faxed back to the CHTA office at 204.346.1029

Visit www.hemptrade.ca

2009 CHTA Board of Directors

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Notice to Members

CHTA is moving to a specific annual membership renewal date. Memberships will now be valid from April 1—March 31.

For current members we will be contacting about your current membership and asking you to renew until March 31, 2011. Your support is greatly appreciated and it is only through your continuing membership that we can work collectively to build this industry to its full potential.

If you happen to know of someone who is active in the industry but not a member let us know by emailing kim@hemptrade.ca

Meet Scott Larson-Zutter

You will all quickly become familiar with Scott who is working with CHTA for the month of August.

Scott will be busy working on our membership database, updating information on your business.

By ensuring your information is current we can be assured that you are receiving all information being sent by CHTA and that we can correctly refer inquiries to your business.

Scott will also be busy seeking out new potential members, encouraging the many companies involved in hemp that are currently not members of CHTA to join our Alliance.

Board of Directors Seeks Candidates

The 2009 Annual General Meeting is scheduled for 7:00 pm at the Victoria Inn Winnipeg on Monday November 16.

There are 2 vacancies on the Board and we encourage you to express your interest in getting involved.

You could be part of guiding the organization through the next few years that promise to be very exciting. The ground work that was done by the founding members of CHTA has now allowed the organization to truly start to become the voice for the industry and begin working on a research plan for the next five years. Our membership continues to increase and the number are expected to grow significantly in the next two

National Convention Takes Shape

The CHTA National Hemp Convention is schedule for Tuesday November 17 & Wednesday 18 at the Victoria Inn in Winnipeg.

The Convention this year will include a poster session, trade

show and two full days of panel discussions and speakers and a workshop for growers—On Farm Food Safety.

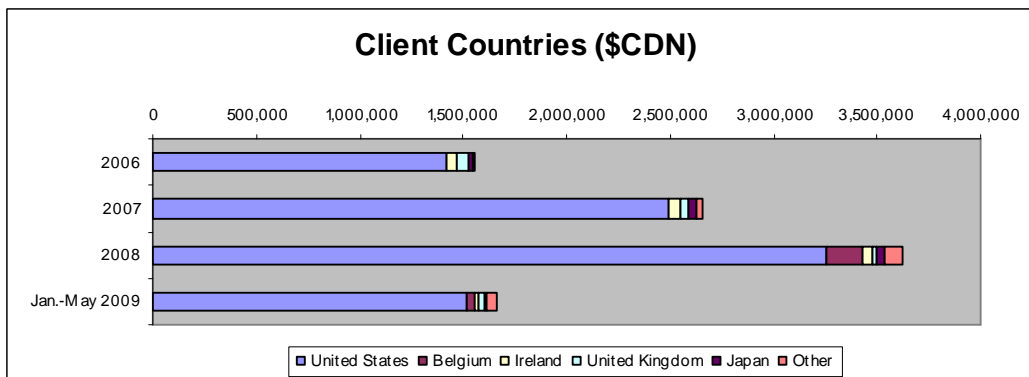
A tentative schedule can be found on the website at www.hemptrade.ca

Topics for Day 1 include a global outlook, business and marketing panels and a discussion about preparedness for clinical trials. Day 2 is focussed on production and the fibre sector.

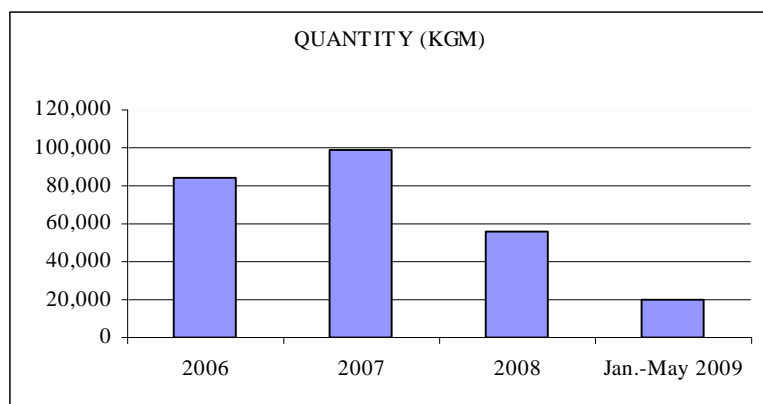
Register today!

TRADE MATTERS

Hemp Seed Exports



Hemp Fibre Exports



Additional data can be found on our website
www.hemptrade.ca

Hemp Seed Oil Cake and Other Residues: by Province

Month	VALUE (Cdn\$)			
	2006	2007	2008	Jan.-May 2009
Jan	0	0	0	61,785
Feb	0	0	0	134,097
Mar	0	0	0	269,695
Apr	0	0	0	184,950
May	0	0	0	192,914
Jun	0	0	0	0
Jul	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
TOTAL	0	0	0	843,441
Provinces				
Ontario	0	0	0	3,669
Manitoba	0	0	0	805,632
Alberta	0	0	0	32,907

Statistics have been prepared by Statistics Canada:

RESEARCH MATTERS

This section of our newsletter will be dedicated to research information that members would like us to share. We encourage you to submit information to kim@hemptrade.ca. (Please note: information to be included in the bulletin will be up to the discretion of the editor)

The following section will feature excerpts from Anndrea Hermann's Master's of Science in Hemp Fibre Agronomy conducted at the Department of Plant Science University of Manitoba Winnipeg, Manitoba. Future CHTA bulletins will feature a continuant of her thesis titled "**The Effect of Plant Population Density and Harvest Timing on Agronomic Fibre Yield and Quality Characteristics of Industrial Hemp (*Cannabis*), Cultivar Alyssa, Grown in the Parkland Region of Manitoba, Canada.**"

Distribution of this section is not permitted without direct permission from Anndrea.

Abstract:

*Hemp (*Cannabis sativa* L.) is a versatile plant that is grown for its premier grain and/or fibre characteristics. After 50 years of prohibition, Canadian hemp is being recognized and promoted worldwide. This has resulted in the increased need for Canadian based agronomic hemp research.*

Split-plot replicated studies were conducted in 2006 and 2007 at five locations in the Parkland region of Manitoba, Canada to determine the effects of three targeted plant population densities (100, 200, and 300 plants m⁻²) and three harvest timings (hemp decimal codes 2102, 2306 and 2307) on hemp fibre yield and quality characteristics. Alyssa, a Manitoba bred cultivar, was used to determine the treatment effects on self-thinning, stem diameter, plant height, biomass, bast and hurd percentage along with the lignin, cellulose, hemicellulose and holocellulose content of bast and hurd in three 20 cm stalk sections.

The results from 5 site years indicated the targeted plant population density significantly influenced self-thinning, plant height and stem diameter in the bottom, middle and top sections of the plant. Due to inter-plant competition for available resources plant stands tended to be affected by increasing the population density, where final counts ranged from 50-280 plants m⁻². Plant height (130-261 cm) and stem diameters (3-8 mm) in all sections were greatest at 100 plants m⁻²; thereafter decreases occurred.

Harvest timing significantly influenced self-thinning, biomass and the percentage of bast and hurd. Plant counts decreased with delayed harvest. Biomass yield tended to increase at the last harvest (3350-6967 kg ha⁻¹) while the percentage of bast (7-29 %) and hurd (48-85 %) fibre tended to decrease as harvest was delayed. In general, bast fibre consisted of approximately 86% cellulose, 3% lignin, 7% hemicellulose and 93% holocellulose (combined cellulose and hemicellulose) while the hurd consisted of 56% cellulose, 16% lignin, 19% hemicellulose and 75% holocellulose at harvest 1 (technical maturity). Overall, the Canadian cultivar, Alyssa was relatively stable across the imposed treatments.

To be continued.