March 30, 2012, Friday, Woodland South

8:00 a.m. CALL TO ORDER. Introductory remarks and announcements. 
_Clifford Hall, Vice President_

8:00 a.m. Effect of enterolactone and enterolactone glucuronide on the selective cytotoxicity and inhibition of fatty acid synthase in prostate and breast cancer cell lines. 
_Yunyun Di, University of Saskatchewan_

8:25 a.m. Recent progress on the incorporation of flaxseed into cereal based matrices: delivery of bioactives to target sites and comprehensive assessment of their biological effects. 
_Krista Power and Sebastien Villeneuve, Agriculture and Agri-Food Canada_

8:55 a.m. Sprouted flaxseed suppressed the growth of MCF-7 and MDA-MB-231 human breast cancer cells by inducing apoptosis. 
_Chiwon Lee, NDSU Plant Sciences_

9:20 a.m. Promising resistance to pasmo in flax genotypes and update on fungicides to reduce yield and quality loss. 
_Khalid Rashid, Agriculture and Agri-Food Canada_

9:45 a.m. Fungicide evaluations for reducing losses from pasmo disease in flax. 
_Scott Halley, NDSU, Crop Protection Scientist_

10:10 a.m. BREAK

10:30 a.m. The use of Flaxseed Gum in Frozen Dough. 
_Emily Schlepp and Clifford Hall, NDSU Cereal and Food Sciences_

10:55 a.m. Novel flaxseed oil nanoemulsion based topical anticancer drug delivery system. 
_Kaushalkumar Dave, South Dakota State University_

11:20 a.m. Effect of flaxseed flour on processing and quality of pasta. 
_Elena De La Pena, NDSU Plant Sciences_

11:45 a.m. Biological effects of M1 of 60COY irradiation treatment induction on flax. 
_Jianping Zhang, Gansu Academy of Agricultural Sciences_

12:05 a.m. End of Morning session

12:15 p.m. LUNCH – Woodland East

1:00 p.m. BUSINESS MEETING OF THE FLAX INSTITUTE

1:30 p.m. Adjourn

Posters

Utilization of flax shive as reinforcement in engineering thermoplastics. 
_Jessica Lattimer and Kali Luic, NDSU_

Permeability of flax mats with varying shive content. 
_Michael Ehresmann, Ryan Whitacre and Chad Ulven, NDSU_

Effects of surface treatments on mechanical properties of flax fiber composites. 
_Shanshan Huo and Chad Ulven, NDSU_

Cultivation and utilization of flaxseed as a source of omega 3 oil and lignan for enhancing health and immune system for people with HIV/AIDS in Africa. 
_Bibian Nwokedi, NDSU_
March 29, 2012, Thursday, Woodland South

7:30 a.m.  REGISTRATION

8:15 a.m.  CALL TO ORDER. Introductory remarks and announcements.
\textit{Hans Kandel, President, Flax Institute}
\textit{Introduction of speakers. Clifford Hall, Vice President}

8:30 a.m.  Summary of health benefits of flax and the Ameriflax organization.
\textit{Sheri L. Coleman, Executive Director, Ameriflax}

9:00 a.m.  Overview of flax production in North Dakota and the United States.
\textit{Hans Kandel, NDSU Extension Agronomist}

9:25 a.m.  Flaxseed, flaxseed oil, lignans and breast cancer research: An update.
\textit{Lilian Thompson, University of Toronto}

10:00 a.m.  BREAK

10:30 a.m.  Usefulness of flaxseed as a dietary antioxidant supplement for crew members during deep space explorations.
\textit{Melpo Christofidou-Solomidou, University of Pennsylvania}

11:00 a.m.  Drought-resistance evaluation of new oil-flax cultivars at adult plant stage.
\textit{Zhanhai Dang, Gansu Academy of Agricultural Sciences}

11:20 a.m.  Advanced utilization of flax fiber and shive in biocomposite materials.
\textit{Chad Ulven, NDSU Mechanical Engineering}

11:45 a.m.  Intercropping flax in the irrigated fields.
\textit{Jizu Liu, Baiyin Agriculture Science Institute}

12:05 p.m.  DISCUSSION

12:10 p.m.  LUNCH – Woodland East

1:00 p.m.  RECONVENE IN – Woodland South
Updates on fungicide treatment to reduce powdery mildew and yield losses in flax.
\textit{Khalid Rashid, Agriculture & Agri-Food Canada}

1:30 p.m.  Pasteurization of flaxseed using response surface methodology.
\textit{Jenny Kuchynski, NDSU Cereal and Food Science}

2:00 p.m.  Treatment of HER2 overexpressing breast cancer: differential effects of dietary flaxseed and flaxseed oil when fed in combination with trastuzumab (herceptin) therapy in athymic mice.
\textit{Julie Mason, University of Toronto}

2:45 p.m.  The comparison of intestinal and hepatic glucuronidation of enterolactone derived from flaxseed lignans.
\textit{Chaojie Lin, University of Saskatchewan}

3:10 p.m.  BREAK – board bus

3:30 p.m.  Visit to Northern Crops Institute

6:15 p.m.  SOCIAL HOUR - Woodland East

7:00 p.m.  DINNER – Woodland East
\textit{Hans Kandel, President, Flax Institute}
Brief self introductions by all attending.