



# Nutri-Net

## CANADA

## Product Quality Initiative

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Funding for Nutri-Net Canada has been provided in part by Agriculture and Agri-Food Canada under the Agricultural Policy Framework, an agreement among federal, provincial and territorial governments to make Canada's agricultural sector a world leader in science and innovation.



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# Product Quality Initiative - Rationale



## Human Health

- Consumer & Practitioner Confidence
- Research & Innovation

## Economic Health

- Trade Relations & Market Growth
- Regulatory Compliance
- Competitive Advantage



# Product Quality Initiative

## – Overview



- Development of Microbial Load Criteria Recommendations
- Initiation of a National Lab Proficiency Program:
  - **B1 – Ginseng:** SLV, Inter-collaborative study.
  - **B2 – Goldenseal:** SLV, Re-evaluate method for Root material, Inter-collaborative study.
  - **B3 – Echinacea:** SLV on raw material, SLV on products.
- Product Quality Program Business Plan



# PQI Outreach Activities

## - Industry Meetings



- ***Appropriate Method Selection & Use when Determining Constituents in NHPs*** - 7th Oxford Conference: Science of Botanicals & 4th ASP Interim Mtg, April 2008; MI
- ***Detecting Adulteration: Analytical Method Selection & Appropriate Use*** - CRN Day of Science, May 2008; VA
- ***BCIT Bioscience Research*** - Research & Innovation in BC, Canada-China Pavilion, May 2008; Beijing, China
- ***Determination of Hydrastine and Berberine in Goldenseal Raw Materials, Extracts and Dietary Supplements by HPLC-UV: Collaborative Study*** - AOAC Pacific North West Meeting, June 2008; WA



# PQI Outreach Activities

## - Industry Meetings



**Presentations at the AOAC International Annual Meeting, September 2008; Dallas, TX :**

- ***Single Laboratory Validation of HPLC Method for Determination of Phenolic Echinacea Constituents***
- ***Determination of Ginsenoside Content in Panax Raw Materials and Finished Products by HPLC-UV: Collaborative Study***
- ***Microbial Load Criteria Limitations for Botanicals / Dietary Supplements***



# PQI Outreach Activities



## - Industry Meetings

- ***The Role of Analytical Methods in Quality Control & Regulatory Compliance*** North American-Indo Symposium on Botanicals, October 2008; New Delhi, India
  
- **Canadian Standards Association, BC Consumer Advisory Group**, October 2008; Victoria, BC
  
- **Lectures and posters on PQI disseminated to a larger audience through reports generated by:**
  - the American Herbal Products Association,
  - AOAC International,
  - United Natural Products Alliance, and
  - the Office of Dietary Supplements at the NIH.



# PQI Outreach Activities - Reports



- Manuscripts on Ginseng SLV and collaborative study.
- Manuscripts on Echinacea studies (2).
- Evaluate and establish Echinacea Community following the new AOAC model for approaching the review & acceptance of a method for Official Status.
- Prepare required documentation for submission.
- Manuscript on microbial load project.



# PQI Outreach Activities - Industry Collaboration



**At the request of the Dietary Supplement Task Force, the Ingredient Ranking Sub-committee was re-established:**

- ❑ Leila Saldanha, Liaison for National Institutes for Health, IRS Chair;
- ❑ Jeanne Rader, US Food and Drug Administration (USDA), Center Food Safety & Nutrition (CFSN);
- ❑ Vasilios Frankos, US FDA, CFSN;
- ❑ Agnes Nguyen Pho, US FDA, Center for Drug Evaluation & Research (CDER);
- ❑ Jinhui Dou, USDA, CDER;
- ❑ Jim Harnly, US Department of Agriculture;
- ❑ Daniel Fabricant, Natural Products Alliance;
- ❑ Monica Howard, Consumer Healthcare Products Assoc. (CHPA);
- ❑ Andrew Shao, Center for Responsible Nutrition;
- ❑ Steven Dentali, American Herbal Products Association; and
- ❑ **Paula Brown, BC Institute of Technology, Nutri-Net Canada**



# Ongoing PQI Activities



- Conduct Expert Advisory Committee meeting to re-prioritize NHPs for Canada:
  - Feb. 18, 2009 Vancouver, BC to coincide with Natural Health Product Research Society 6<sup>th</sup> annual conference *Gateway to Wellness*
  - Includes manufacturers, ingredient suppliers, analytical labs, service providers, industry associations, academia, and government regulators (regional, national and international)
  
- Prepare and synthesize current NHP priorities for method validation from government, industry associations, policy makers and funders.



# Ongoing PQI Activities



- Host meetings with stakeholders to:
  - disseminate PQI Business Model,
  - discuss feasibility of plan implementation,
  - identify next steps to achieve success, and
  - review opportunities for financing the development of a Product Quality Institute.





# For further information on PQI:

## Ann Eastman



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# Thank You



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