

What is Integrated Fruit Production?



IFP is a sustainable approach to fruit production which promotes environmental responsibility, economic viability and social responsibility



Origins of IFP

- 20+ years ago – Switzerland, Germany, Italy, Austria, France
- Environmentally sustainable farming
- Development of eco-labels
- Today considered the standard in E.U.
- Adopted in New Zealand, U.S.A., Chile, Canada, South Africa and elsewhere



Agenda

Julie Carroll – IFP Development in NY

Michelle Miller – WI Eco-Apple Project

Bernie Solymar – Canadian Apple IFP Project

Charlotte Leaming – BCGAP

Stirling Fox – LIVE Program for Grapes





Grown in Harmony:

The National Apple IFP Project

5th National IPM Symposium
St. Louis, Missouri
April 5th, 2006

Bernie Solymár
EarthTramper Consulting Inc.



The Canadian Apple Industry

- 20,000 hectares
- 500,000 metric tonnes
- CAN\$ 170 million at farm gate



Challenges to our Industry

- World oversupply
- Competition from imported apples
- Retailer consolidation
- Stagnant farm gate prices
- Increasing input costs
- Static consumption
- Lack of pesticide harmonization with the U.S.

**= Shrinking markets for
Canadian apples**



The National IFP Project for Canadian Apples

Coordination:

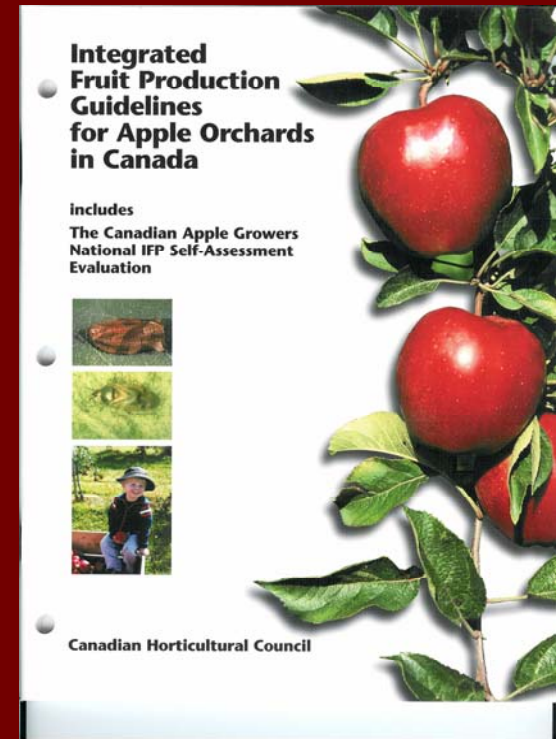
- Apple Working Group,
Canadian Horticultural Council

Funding:

- AAFC (CARD and ACAAF programs)
- AAFC – Pest Management Centre
- World Wildlife Fund Canada

Project Consultant:

EarthTramper Consulting Inc.



The National Apple IFP Project

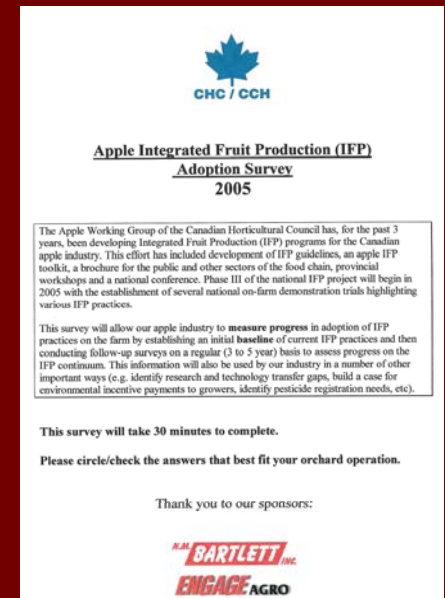
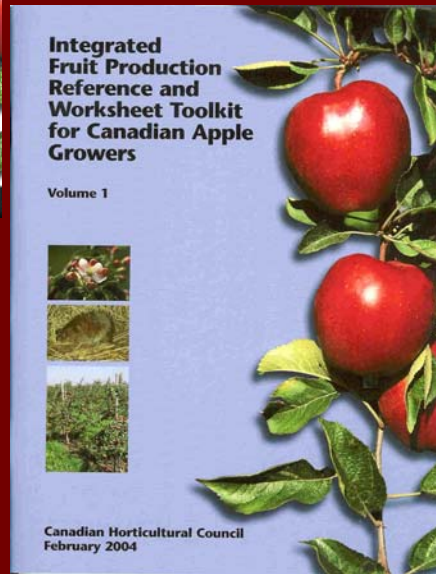
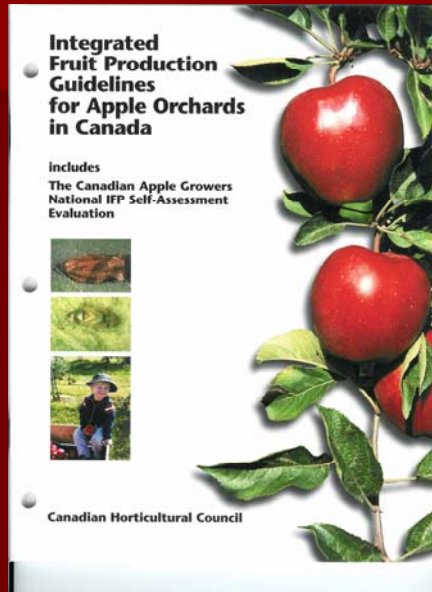
- Initiated in 2001

Goals:

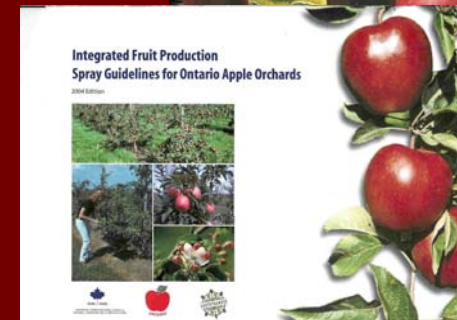
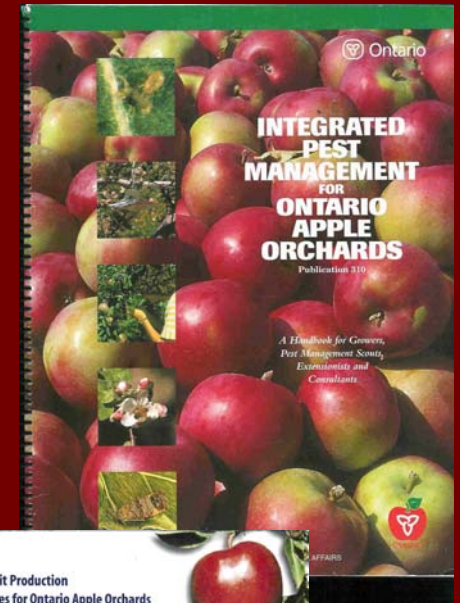
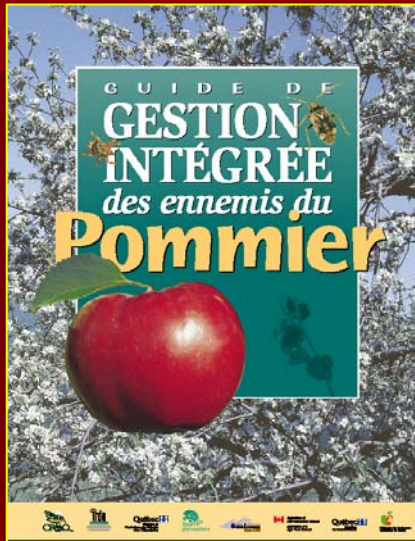
- Reduce environmental impacts of pesticides while maintaining economic viability
- Assure retailers and consumers that Canadian apple producers are leaders in integrated pest management, food safety, and land stewardship
- Supply Canadian and foreign markets with quality fruit produced under world-class, nationally endorsed IFP standards



Results from Phase I and II (2001 – 2004)



Development of Provincial IFP Programs & Protocols



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

Phase III (2005 – 2010)

- 5 year funding from AAFC
- Taking IFP to the field:

*"I hear and I forget,
I see and I remember,
I do and I understand".*



Development of On-Farm Demonstration Trials

- Set up provincial IFP Advisory Teams
- Development of protocols
- Recruitment of consultants
- Recruitment of grower co-operators
- Conduct trials in commercial orchards
- On-going consultant-grower contact
- Data collection
- Evaluation of environmental impacts and economics



Reduced Risk On-Farm Demonstration Trial

Purpose:

“Hands on” testing of reduced risk materials and pheromone mating disruption to look at IPM fit (i.e. efficacy, impact on beneficials), and grower field tours

- 20 orchards (5 per province/region)
- 5 and 10 acre blocks
- 3 year trial



Reduced Risk Trials

- Substitution of organophosphate insecticides with registered reduced risk materials
- Emphasis on integrated fungicide program with attempt to reduce EBDC fungicides to early season use only
- Minimize use of residual herbicides



Reduced Risk Trials

- Pheromone mating disruption for key Lep pests
- Testing of innovative alternatives – including Surround for pest management, and solitary leafcutter bees for pollination



Replant IFP On-Farm Demonstration Trial

Purpose:

To demonstrate and evaluate IFP practices during pre-plant, planting year and establishment years of new orchards

- 20 sites (5 per province)
- 1 acre blocks
- 5 year project



Replant Trials

- In pre-plant sites, comparisons of nematode suppressant/non-nematode host cover crops.
- In 1st year plantings, comparisons included mulching, irrigation management, weed & insect control, cover crops, nutrient & disease management, productivity & growth.



Thanks to our IFP Advisory Teams

■ NS/NB

Gordon Lemon (team leader, NSFGA IPM Committee Chair), Dr. Rob Smith (consultant), Erika Bent (APM Consulting), Rachel Caissie (NB Consultant), Bill Craig (AgriPoint Intl.), John Eisses (grower, NSFGA)

■ QC

Dr. Gérald Chouinard (team leader, IRDA), Dr. Vincent Phillion (IRDA), Yvon Morin (consultant, Club ProPomme), Natalie Tanguay (consultant, Club des producteurs du sud-west), Serge Mantha (consultant, Club des production pomicole de la région de Quebec), Roland Joannin (consultant, Pomme Plus)

■ ON

Bernie Solymár (team leader, EarthTramper Consulting Inc.), Harold Schooley (grower, OAG Research Chair), Ken Wilson (consultant), Cathy McKay (consultant, The Apple Doctor), Leslie Huffman (weed specialist, OMAFRA), Mike Celetti (pathology lead, OMAFRA), Anne Verhallen (soil management specialist, OMAFRA), Paul Frankis (grower)

■ BC

Hugh Philip (team leader, BCMAFF), Jim Campbell (apple specialist, BCMAFF), Lisa Jarrett (field staff, Okanagan Tree Fruit Co.), Bob Fisher-Fleming (field staff, Okanagan Tree Fruit Co.), Christi Evans (field staff, Okanagan Tree Fruit Co.), Don Magnusson (BCFGA), Dr. Gene Hogue (retired AAFC), Joe Sarhinha (grower, BCFGAs)



Thanks to our Consultants

- Nova Scotia – Agri Point International (Bill Craig), Agricultural Pest Monitoring (Erica Bent) and Dr. Rob Smith
- New Brunswick – Rachel Caissie
- Québec – Nathalie Tanguay, Roland Joannin, Yvon Morin, Serge Mantha, IRDA (Dr. Vincent Phillion)
- Ontario – EarthTramper Consulting Inc. (Bernt Solymár), The Apple Doctor (Cathy McKay), Ken Wilson
- British Columbia – Okanagan Tree Fruit Co. (Lisa Jarrett and Christi Evans, to be replaced by Leah Thompson and Molly Thurston in 2006)



Thanks to our IFP Cooperators

■ NS/NB

Reduced Risk – Stephen VanMeekern, Andrew Bishop, Jeff Hennigar, Rob Smith

Replant - Graham Hennigar, Tim Pearson, Lloyd Dick, Tom Stirling

■ QC

Reduced Risk – Claude Girard (Domaine de Dunham), Gérald Lussier, Pascal Lacroix

Replant - Jocelyn Tardif (Verger R&D), Francois Turcotte (Ferme Avicole Orléans),
St. Bruno Experimental Orchard (IRDA) X 2

■ ON

Reduced Risk – Ireland Orchards Ltd. (Gary Ireland), Orchard Home Farm (Jerry Brubacher), Joe and Regina Fiedler, Cleaver Orchards Ltd. (Rick Cleaver), Calmark Orchards (John Boughner)

Replant – Harold Schooley (Schooley Orchards Ltd.), Paul Frankis (SugarApple Orchards), John Van Diepen (Warwick Nursery and Orchards), Marius Botden (Global Fruit), Steve Lennox (Pickering Orchards)

■ BC

Reduced Risk – Jamie Kidston, Dave Sandher, Russel Husch, Roger Bailey, Surrinder Sohol

Replant – Steve Brown, Paul Jeffares, Enio Leardo, Jadvinder Nijjer, Bob Fisher-Fleming



Want more info?



Available from:

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