Making BMPs happen

Deciding what's "Right" and Acting

Flowers Canada (Ontario) Inc. February 1, 2017
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What is Social Responsibility

- Social responsibility is an ethical framework which suggests that an entity, be it an organization, business or individual, has an obligation to act for the benefit of society at large.
- Social responsibility is a duty every individual has to perform so as to maintain a balance between the economy and the ecosystems...doing the right thing.
- Whether you call it social responsibility, social license or social contract, it is ultimately driven by **public perception**.
- It comes down to TRUST!
- Do you have a story to tell?



Issues change but interest remains



Soil-Applied
Imidadoprid
translocates to
Ornamental flowers
and reduces survival
of adult Lady Beetles
and Larval Butterflies



Flowerscanadagrowers.com

The Premier of Ontario and Governors of Michigan and Ohio signed a Collaborative Agreement on June 13, 2015

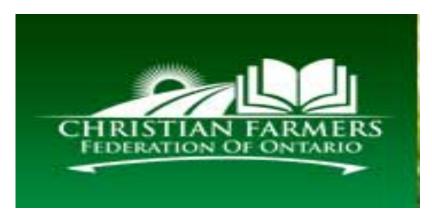
> 40% reduction of Phosphorus to western basin of Lake Erie by 2025, with an interim reduction target of 20% by 2020

What are Farm Organizations doing?

Prosperous, sustainable farms -- resilience, climate change



Ontario Federation of Agriculture



Profitable and responsible stewardship of resources -- water is key



Responsible stewardship of the environment --conserving soil



On-Farm Excellence

Soil your Undies, Earthworms and Windrows







What messages is FCO sending?

- Proactively addresses common challenges to our industry implement solutions that benefit both our industry and the Canadian economy
- A Blueprint for Environmentally Sustainable Greenhouse Farming: Water Specialist

Key words Growers use to describe them selves:

Family
Customer need = choice
Growth
Escape/Adventure

Locally Grown Renowned

Quality High Demand

Reliable Technology

Efficient Superb











Key initiative on Consumer webpage

- <u>pickOntario</u> is a marketing campaign to help raise awareness, interest and demand for Ontario-grown cut flowers and potted plants.
- pickOntario's continuous goal is to remind people that there are locally grown flowers in Ontario.
- pickOntario will be at the National Women's show making complimentary flower crowns to make your experience (and selfies) even more beautiful.
- Flowers for mental and physical health
- Flower of the month, Grower of the month







Can you describe sustainability?



Closed systems may include technologies like these flood benches and troughs, which collect nutrient feed water for reuse.



Knowing where subsurface drainage pipes are and how they connect to existing systems will help to determine water flow in and around your operation.



Collecting rainwater from greenhouse roofs and storing it for irrigation use is a good water management practice.

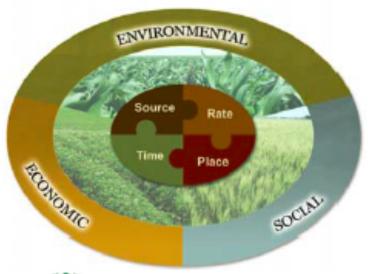


A compacted surface and an impermeable barrier will assist in collecting any nutrient rich water from your outdoor collection area.

What is industry doing?

4R: "right" means sustainable











"Building public trust in food and farming"





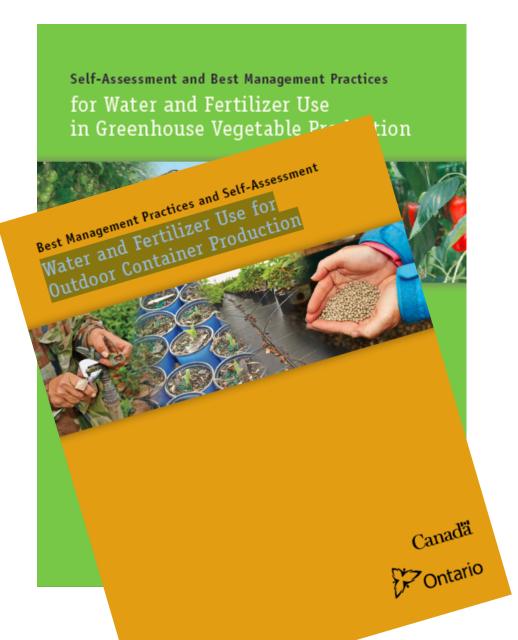
Fertilizer Placement Study in Container Nurseries

- Many container nurseries incorporate their fertilizer in the first year of production; can mean up to 50% more leaching of P from bottom of pot compared to other methods
- Nursery containers with dibbled/subsurface fertilizer:
 - Used 20% less fertilizer (lower costs to farmer),
 - Had comparable tissue analyses to other treatments (equal growth and quality),
 - Had lower nutrient levels in leachate (improved environmental impact), and
 - Had great roots
- Promoted 4 R's to nursery growers Right rate, Right location, Right time, and Right product
- \$74,800 investment by OMAFRA through TPA, outreach to over 150 growers at LO Nursery Short Course, at least 10 growers want try modifying their fertilizer placement practices in summer 2016 to test the results of this study



Greenhouse & Nursery Water Videos





Water and Nutrient Use Efficiencies

Best Management
Practice Self
Assessment Tool for
Greenhouses and
Outdoor Container
Production

Self-Assessment for Water and Fertilizer Use

Production Water
As used in production



Pre-Production WaterBefore use in the greenhouse



Post Production Water After use in the greenhouse

BMPs for water and fertilizer use at all stages of production

- Assess the current use of water and fertilizer at your production facility
- Determine where improvements can be made
- Document ongoing improvements

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