



Agricultural Sustainability in the Greenhouse Sector

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CANADIAN GREENHOUSE AREA (taken from Stats Can, 2019)

	Tomato acres	Pepper acres	Cucumber acres	Eggplant acres	Lettuce acres	Total acres
Ontario	1126	986	909	20	16	3057
BC	238	356	113	3	13	723
Quebec	146	17	69	No data	43	275
Alberta	68	14	93	1	3	179

LAND

- ▶ Average number of plants per acre:
 - ▶ Tomatoes: 10,000
 - ▶ Cucumbers: 6,000
 - ▶ Peppers: 14,000





Hydroponics

FUN FACT:

- ▶ Any Guesses?
- ▶ How many tomatoes were produced by one of our greenhouses when setting the world record in 2002:
 - ▶ _____pounds per square metre!



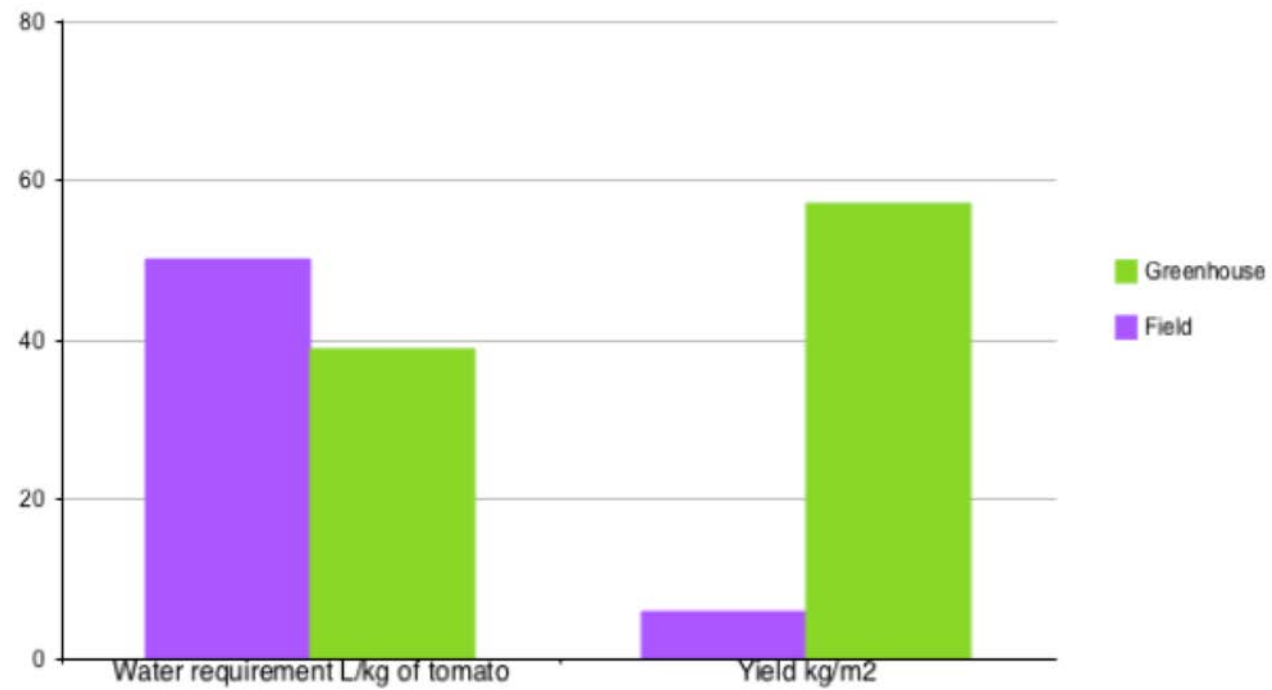
Precision Watering

- Drip irrigation: small amounts of water dripped onto plants



Drip irrigation

Comparison of tomato production systems



Fresh Water

- No water is ever wasted



City water storage tanks

Carbon Dioxide



Pollination





Thank-you!

Water Conservation - Overview

