



On-Farm Hatching

- Who
- What
- When
- How
- Why



Who



- Groupe Westco Inc.
 - Chicken and turkey producers
 - Common management
 - Efficiency and improvement
 - Compare with others
 - Research

What



- What's On-Farm Hatching?



– Eggs: prior to incubation

Hatchery	On-Farm
-Collect eggs at breeder farm -Transport eggs to hatchery -Store eggs in cooler	-Collect eggs at breeder farm -Transport eggs to hatchery -Store eggs in cooler



– Eggs: incubation day 0 to 18

Hatchery	On-Farm
-Incubation	-Incubation



– Eggs: incubation day 18

Hatchery	On-Farm
-Candling -Vaccination -Transfer eggs in hatch basket -Place basket in hatcher	-Candling -Vaccination
	-Transport to farm -Place eggs in barn



– Eggs: hatching day 18 to 21

Hatchery	On-Farm
-Hatching	-Hatching



– Chicks: day 0

Hatchery	On-Farm
-Sort egg/chick -Chick count and place in basket -Vaccination	-Remove unhatch egg and shells -Counting
-Transport to farm -place in barn	



When



- 2019
 - Purchase equipment (X-Treck)
 - Installation
 - Start test period
- 2020
 - Test period
- 2021
 - End of test period
 - Final report

How



Barn 1

Barn 5

Barn 2

Barn 6

Barn 3

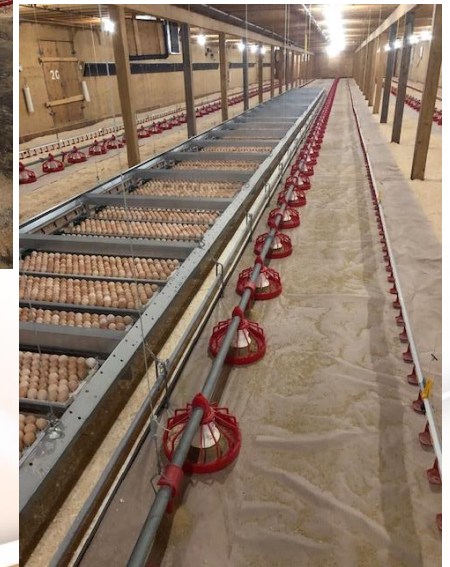
Barn 7

Barn 4

Barn 8

	Room 3A		Room 3B
X-Treck	Room 2A		Room 2B
	Room 1A		Room 1B

- Eggs delivery at the farm (X-Treck)



- Removal of unhatched eggs and chick count



- Biosecurity
- Surveillance
- Regulations



Why



- Animal Health and Welfare
 - Stress
 - Transport
 - Different environnement
- Performance and efficiency
 - Food
 - Gut
 - Retained yolk

Hatchery vs On-Farm hatching

	Difference	Number of test
Hatch	+ 2,57 %	62
0-10 day Mortality	- 0,10 %	56
Total Mortality	- 0,58 %	56
Total Condemns	- 0,02 %	37
Average Daily Gain	+ 1,20 gr	37

Broiler Farm



Broiler Farm





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Healthy Nutrition
...Healthy Life!