

REDUCE, REUSE, RUMINATE

Bob Lowe



Public and Stakeholder Engagement

A photograph of several black cattle in a metal pen. The cattle have red ear tags. The pen is made of metal bars and has a wooden fence in the background. The ground is dirt. The text "How do cattle help with food waste reduction in Canada?" is overlaid in white.

**How do cattle help with
food waste reduction in Canada?**

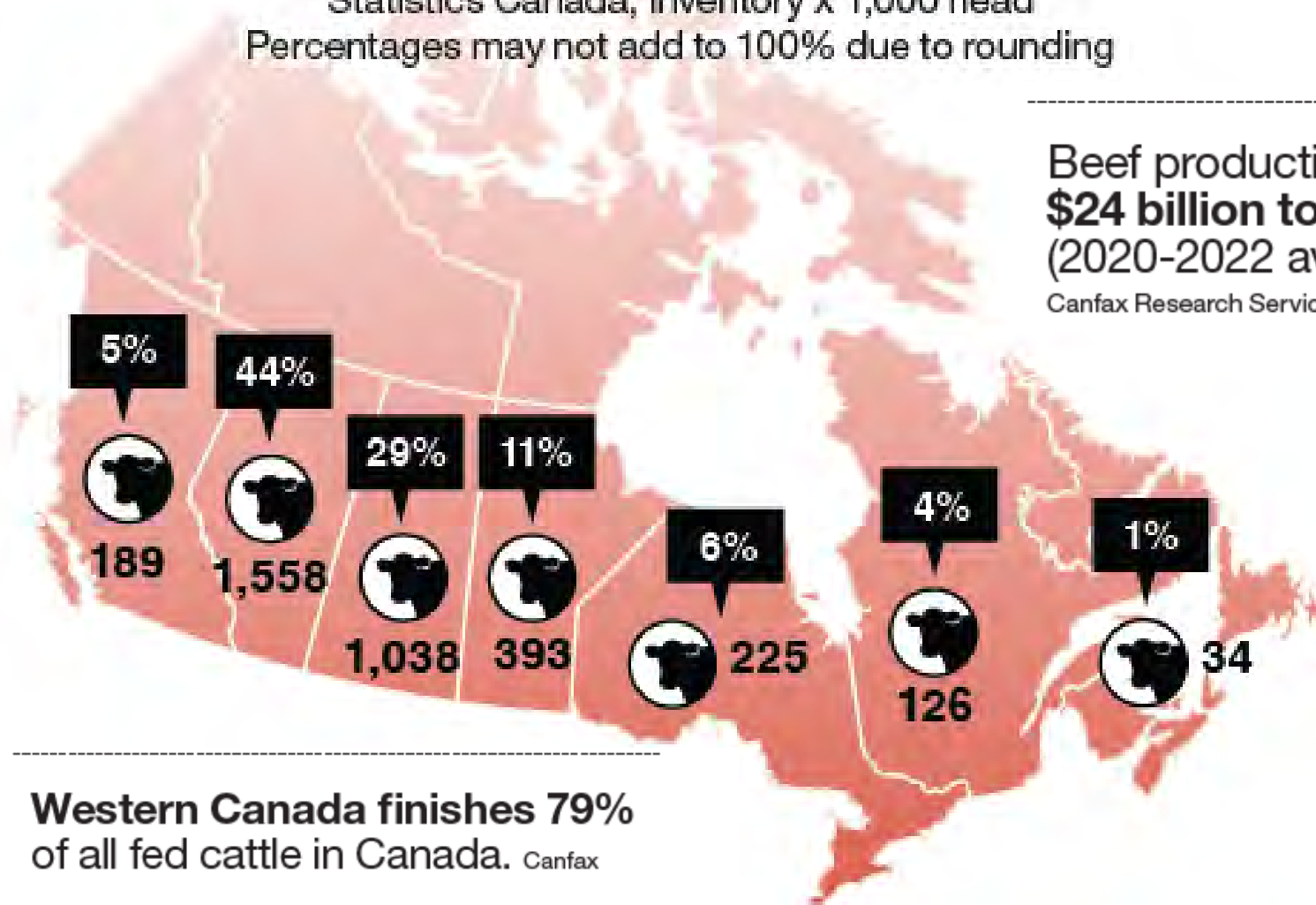
Beef Cows by Province

January 1, 2023

(beef cows = 3.56 million)

Statistics Canada; Inventory x 1,000 head

Percentages may not add to 100% due to rounding



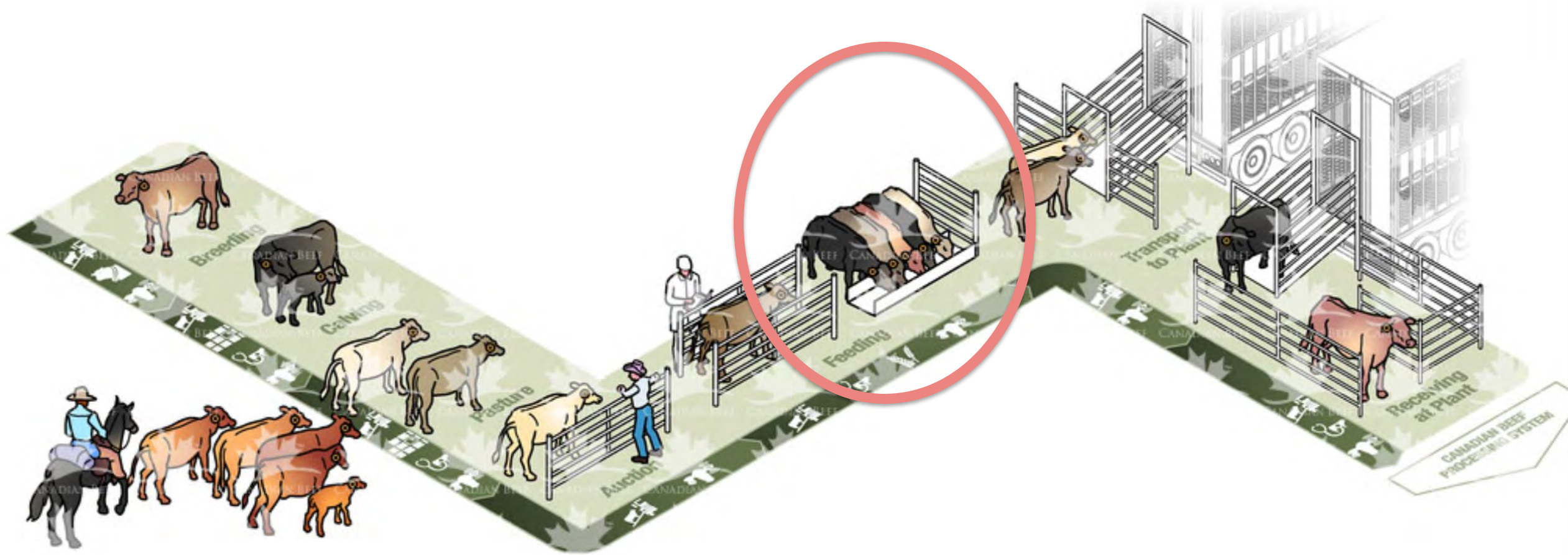
Beef production contributed **\$24 billion to Canada's GDP** (2020-2022 average).

Canfax Research Services

Western Canada finishes 79% of all fed cattle in Canada. Canfax



Canada's Beef Cattle Supply Chain




Cattle = Ultimate Upcyclers

Cattle can digest things humans **can't** and transform them into beef.

- 1) Grasses and other forages – allowing marginal land to contribute to food production
- 2) Crops intended for human consumption but damaged or low quality
- 3) By-products of crop production (canola/ soybean meal, peas)
- 4) Food loss and waste





43 billion kgs of food loss and waste is kept out of landfills each year in the US thanks to this upcycling ability of livestock.

- Hall and White, 2017



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CONTACT US:

AMIE PECK
CANADIAN CATTLE ASSOCIATION
PECKA@CATTLE.CA