



## Canadian sheep industry moves lambs on blockchain



In a recent proof of concept field trial, the Canadian Sheep Federation partnered with SheepChain LLC to demonstrate how the Canadian sheep industry can capitalize on the traceability framework to add value to Canadian lamb. Canada is the first sheep industry to manage the technology in a real-world setting, tracking lamb from pasture to plate on blockchain.

The field trial coined SheepTrace, proved that by using existing traceability technologies and adding a few new digital tools, Canadian lamb could be successfully tracked from pasture to plate and the digital trail moved to the Ethereum Blockchain thanks to the support of SheepChain.

SheepChain applies blockchain technology to digitally certify value-added data points of livestock, from genetic indicators to lifelong consumption patterns to veterinarian history, hormone usage, and humane handling through processing. While other provenance solutions are emerging, none other fully addresses the supply chain issue to follow an individual animal digitally from its birth through the processing cycle to packaged meat on sale at the local supermarket or internationally in key markets like Japan, Taiwan, China, South Korea or the Middle East.

The Canadian Sheep Federation is developing technology that will serve a number of purposes that benefit Canadian sheep farmers and ranchers. By demonstrating that we can successfully connect the supply chain using technology already available and required of the industry, we can build out an information sharing highway along the value chain. Our goal is to connect stakeholders with the production information they've been asking for, which can include sharing performance, grading, genetic, assurance program compliance and even wool data associated with an animal by simply using its CSIP tag.

But it doesn't stop there. The SheepTrace field trial successfully managed to connect the final product to the original farm and provided a means of showing the consumer that information. As consumers want to know more about the product they're buying, like 'is this Canadian lamb', 'is this local lamb', 'was it raised humanely', 'if I buy this lamb am I decreasing my carbon footprint', this technology answers all of those questions and more



from a simple scan of a QR code on the package label. The possibilities are endless! Most importantly, all of this data is tracked through blockchain in a way that ensures the end user that the information has not been tampered with. Real time, transparent pasture to plate tracking providing value to all stakeholders.

To learn more about SheepTrace scan the product QR code above or visit the webpage <https://beefchain.com/ranches/brookwater-farms/>