Hormone Implants

ARE SAFE

A three-ounce serving of beef from a steer implanted with estrogen contains 1.9 nanograms of estrogen.

A three-ounce serving of beef from a steer NOT implanted with estrogen contains 1.3 nanograms of estrogen.

A three-ounce serving of potatoes contains 225 nanograms of estrogen.

A three-ounce serving of cabbage contains 2,000 nanograms of estrogen.

Every day, an average man produces 136,000 nanograms of estrogen.

Every day, an average woman produces 513,000 nanograms of estrogen.

Bulls’ hormone systems are removed to curb aggression for the safety and welfare of the animals (now called “steers”) and the people who interact with them, and to make beef more tender and flavorful. Implants restore enough of a steer’s naturally-produced hormone levels to grow efficiently.

Heifers (female cattle that have not given birth) have hormone systems focused on reproduction. Hormone implants balance a heifer’s natural hormone levels to allow it to grow more muscle instead of fat.

ARE PRACTICAL

Hormone implants help balance natural hormone levels in cattle to allow them to convert their feed into lean muscle instead of excess fat, which helps keep beef affordable.

ARE SUSTAINABLE

To raise the same amount of beef WITHOUT hormone implants, it would take:

11 MILLION MORE cattle in the U.S. beef herd

18 MILLION MORE acres of land for grazing and growing feed

515 BILLION MORE gallons of water for producing feed and maintaining animals