

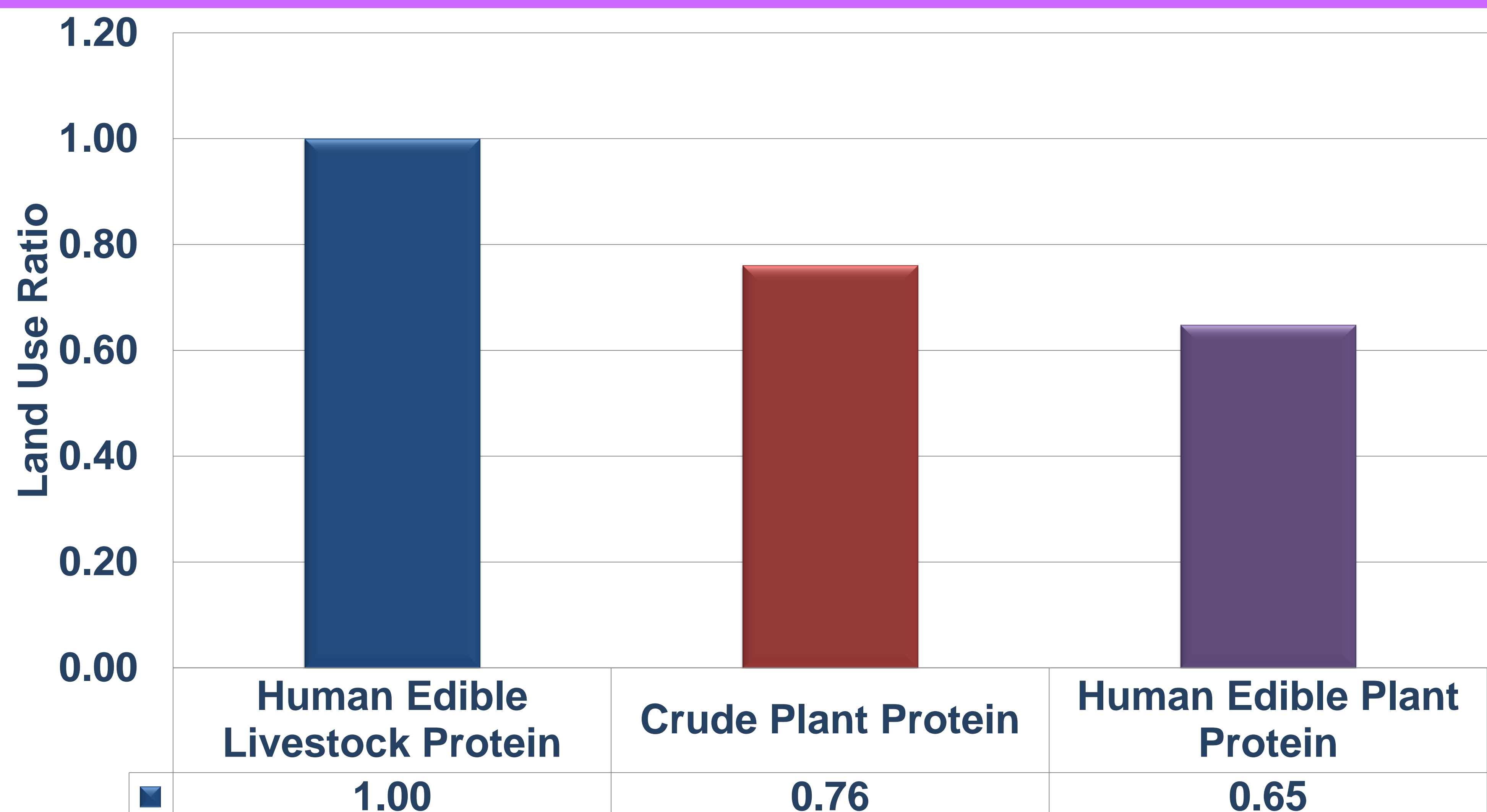
## Introduction

- ✓ Feed-food competition occurs when land suited for human food is used for animal feed that is lower yielding
- ✓ The Land Use Ratio examines if a livestock system contributes to feed-food competition

## Feed conversion efficiency of Ireland's dairy

Location	Human edible protein conversion ratio
Global grass based dairy	1 : 2.6
Global maize based dairy	1 : 1
Irish grass based dairy	1 : 4.9

## Land use ratio of Ireland's dairy sector



## Purpose of the land use ratio

- ✓ Feed Conversion Efficiency doesn't consider potential protein foregone
- ✓ LUR compares the current animal protein against the potential plant protein production from that land area
- ✓ Including both local and international land areas

## Take home messages

- ✓ Ireland's dairy system does not cause feed-food competition
- ✓ Ireland's current dairy sector is more protein efficient than its global competitors