



Is any role for livestock in a global sustainable farming system?

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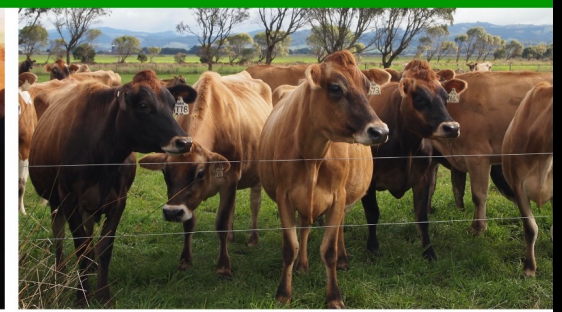


Source: Jude L. Capper, 2024



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There is no definitive sustainable protein system – but every system can be sustainable



Source: Created and photos by Jude L. Capper, 2023.

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All foods have an environmental impact



Source: Created by Jude L. Capper, 2023.

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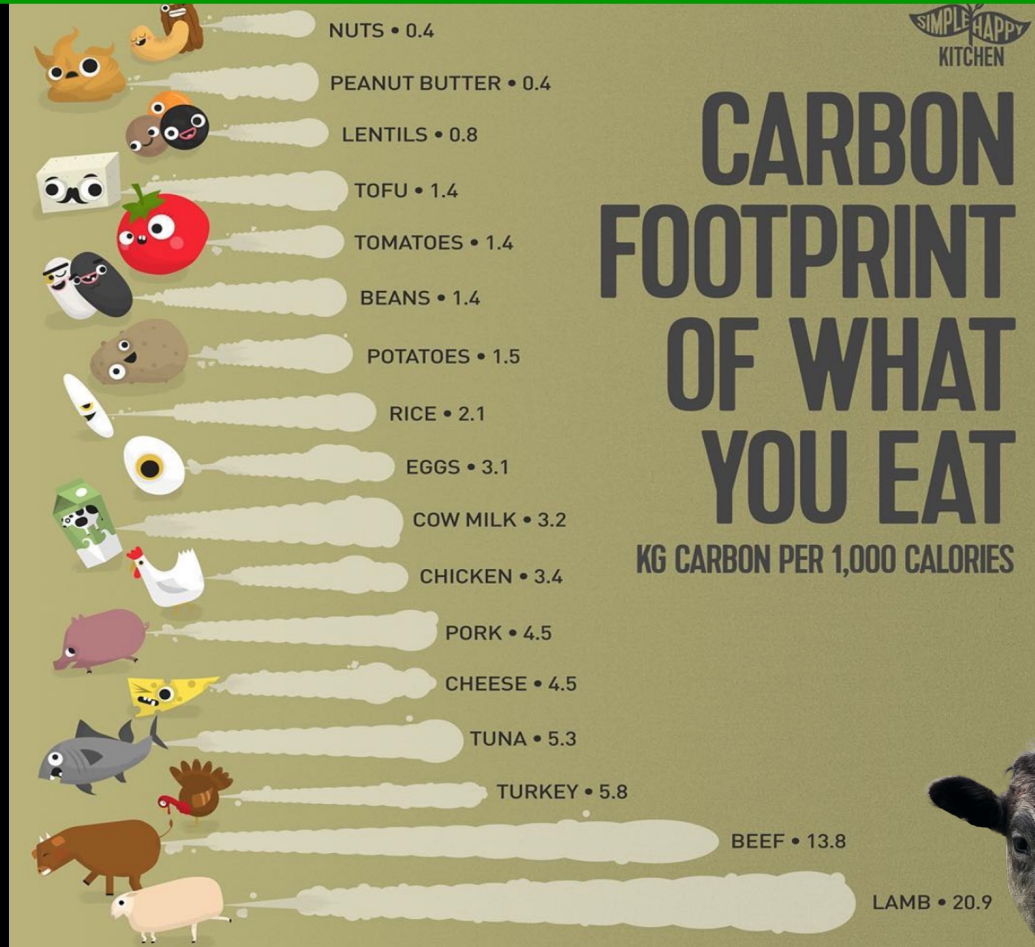




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Global averages are meaningless

The carbon footprints of the foods we eat vary considerably – global average figures are inappropriate when food production is regional



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Harper Adams University
Beef & Sheep Group

School of Sustainable Food and Farming

Harper Adams University

Source: Created by Jude L. Capper, 2023. Infographic from https://www.instagram.com/simple_happy_kitchen/

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Honesty is the best policy



Harper Adams University
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School of **Sustainable Food and Farming**



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Source: Created by Jude L. Capper, 2024.

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We need to be realistic about opportunities and limitations for reducing emissions



Source: Created by Jude L. Capper, 2024.

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We need to be realistic about opportunities and limitations for reducing emissions



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We need to be realistic about opportunities and limitations for reducing emissions



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Huge variation in farm footprints – need to exemplify and learn from the best



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Source: Created by Jude L. Capper, 2024.

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Feed efficiency is one of the principal issues used to denigrate animal agriculture

IF EVERY AMERICAN STOPPED EATING MEAT THERE WOULD BE ENOUGH GRAIN TO FEED 1.4 BILLION PEOPLE

#IMAGREENMONSTER

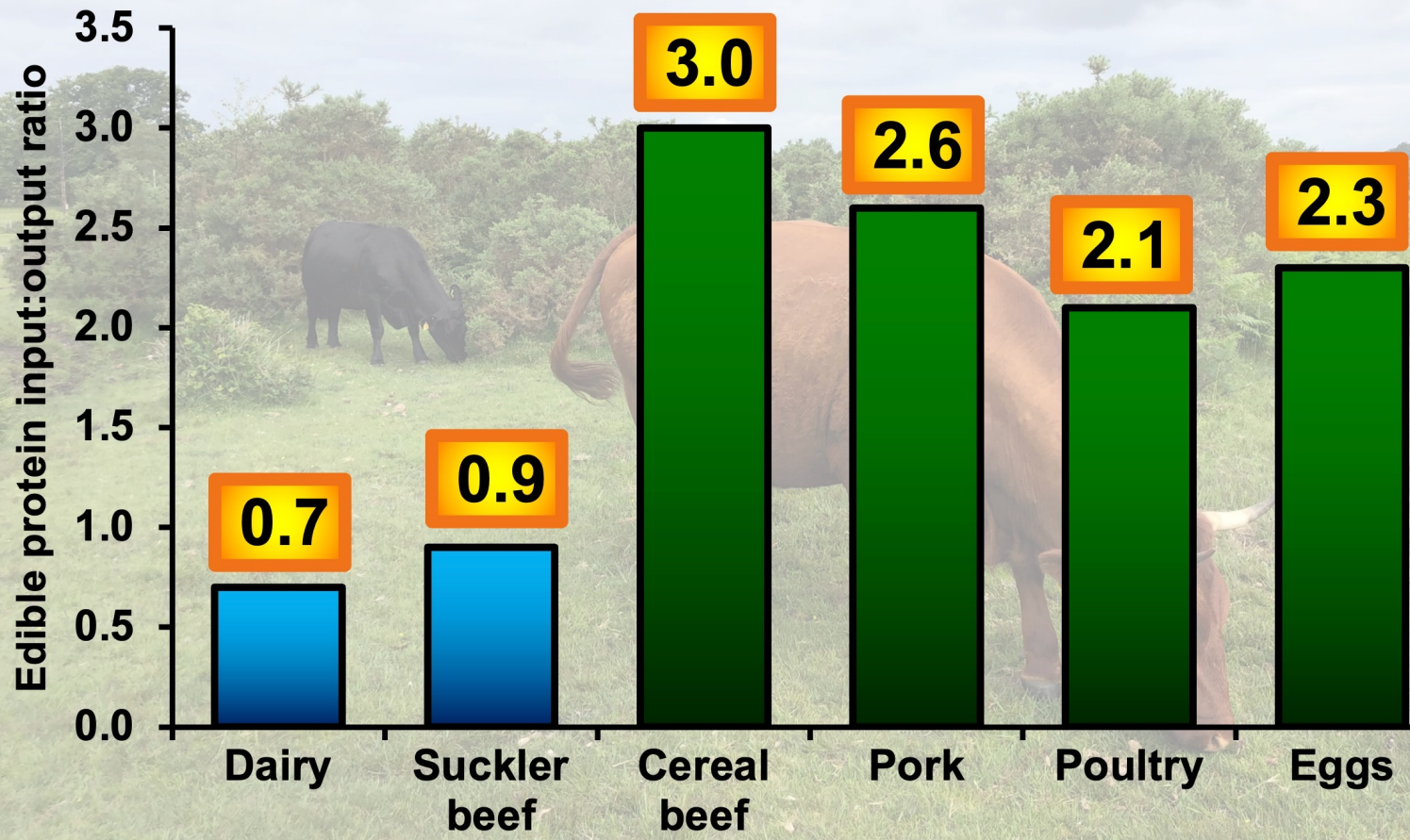
Source: Created by Jude L. Capper, 2023. Infographic from <https://www.onegreenplanet.org/animalsandnature/eat-for-the-planet-meat-and-the-environment/>

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Grazing cattle systems produce more human-edible protein than they consume



Source: Created by Jude L. Capper, 2023; data from Wilkinson (2011) <https://doi.org/10.1017/S175173111100005X>



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Removing cattle from pasture disadvantages ground-nesting birds



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Source: Created by Jude L. Capper, 2023. Photo from Odd Falch <https://www.pexels.com/photo/brown-bird-on-brown-grass-12084162/>

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Dung beetles have myriad ecosystem benefits



Source: Created by Jude L. Capper, 2023.

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(Almost) all of our food comes from the soil



Source: Created by Jude L. Capper, 2023.



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Thank you!

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Questions?

Source: Created by Dr. Jude L. Capper, 2021. Cartoon from: <http://RubesCartoons.com>



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