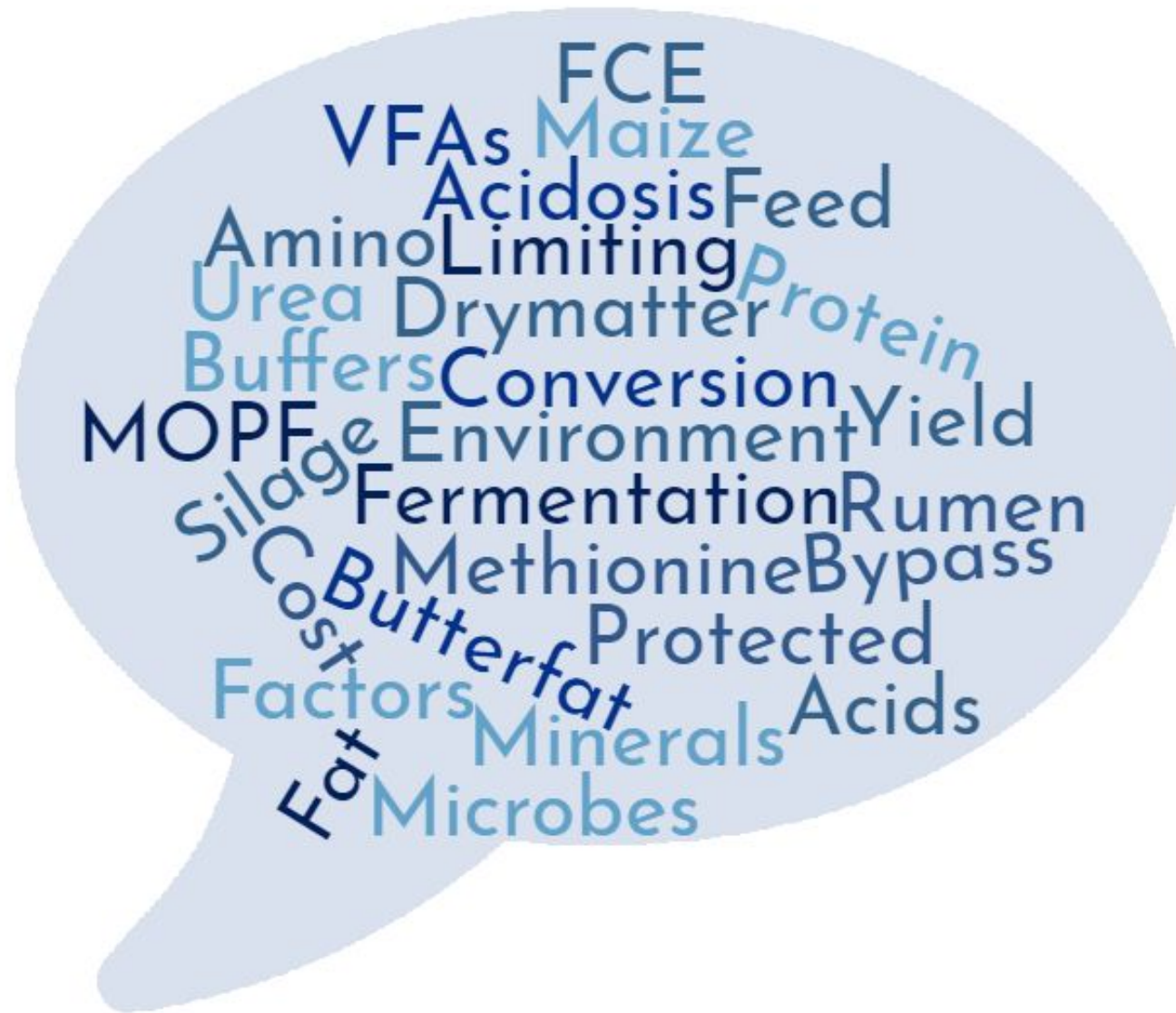


# Feeding the 21<sup>st</sup> Century UK Holstein Dairy Cow

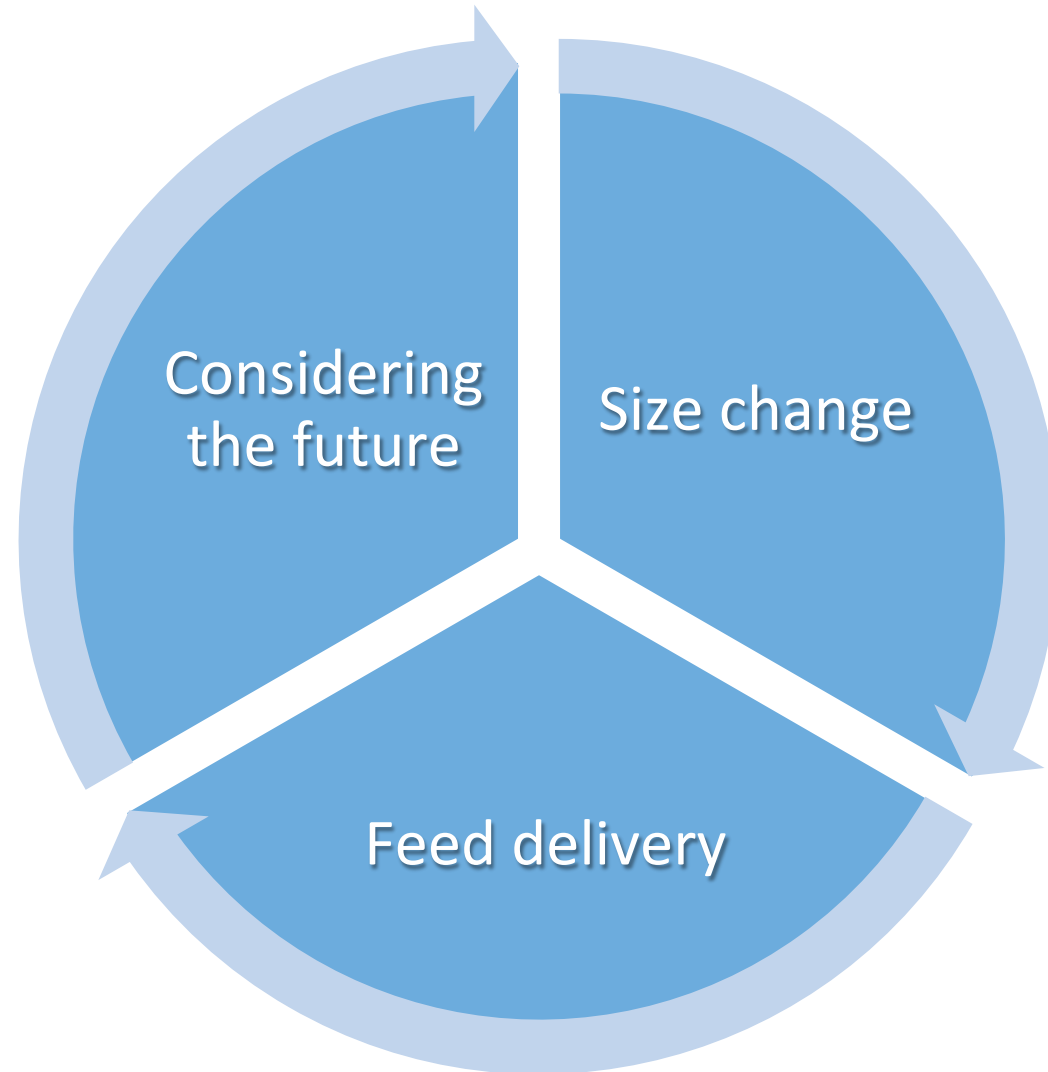
EHRC Conference 2017 – Budapest

Sue Bryan

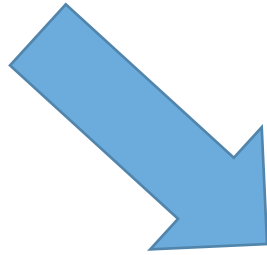




# Thoughts from the UK



# UK Cow size (1930)



Source: <https://ahundredyearsago.com/2012/02/06/average-height-for-males-and-females-in-1912-and-2012/>

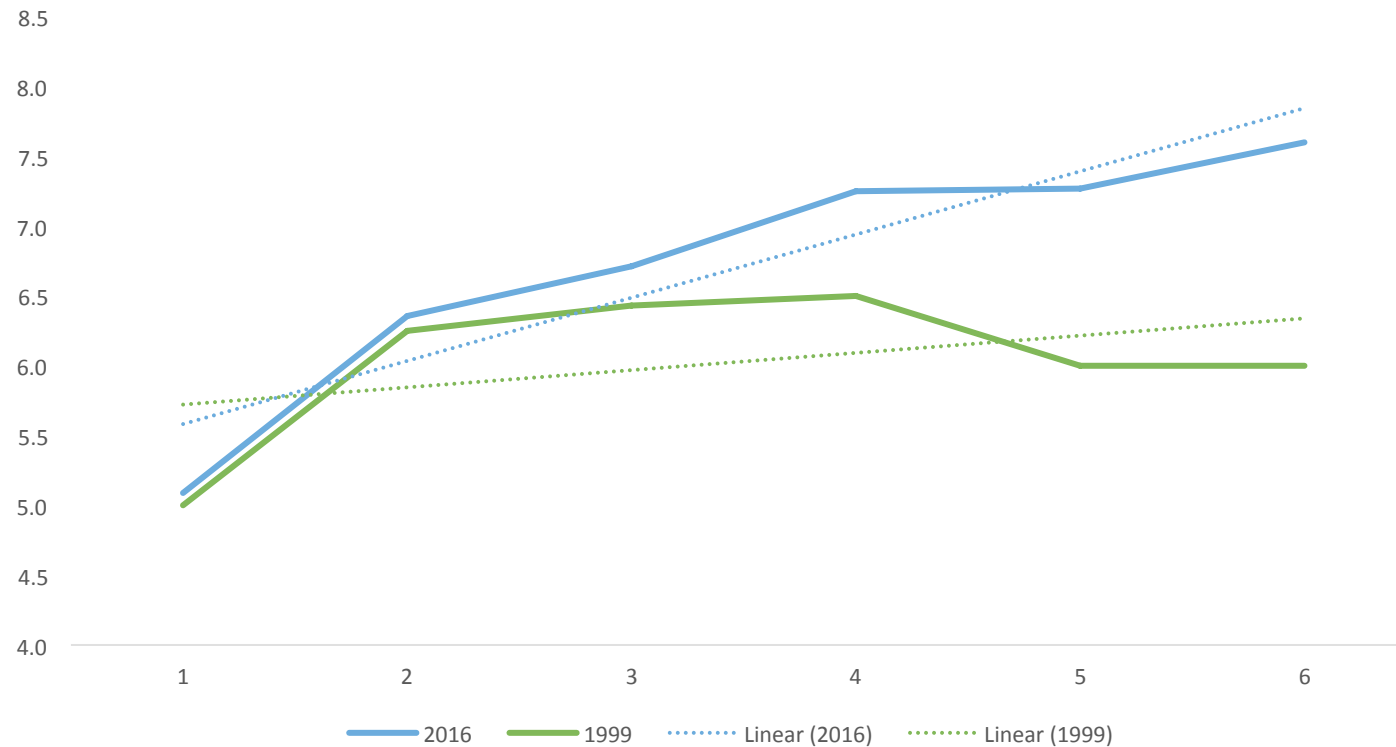
# UK Cow size (1930 - 2017)





# Using UK data to qualify this:

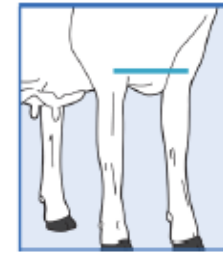
## Chest Width:



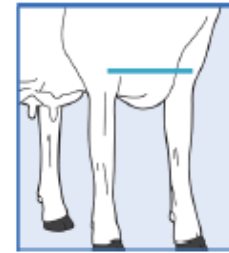
CHEST WIDTH



1 Narrow

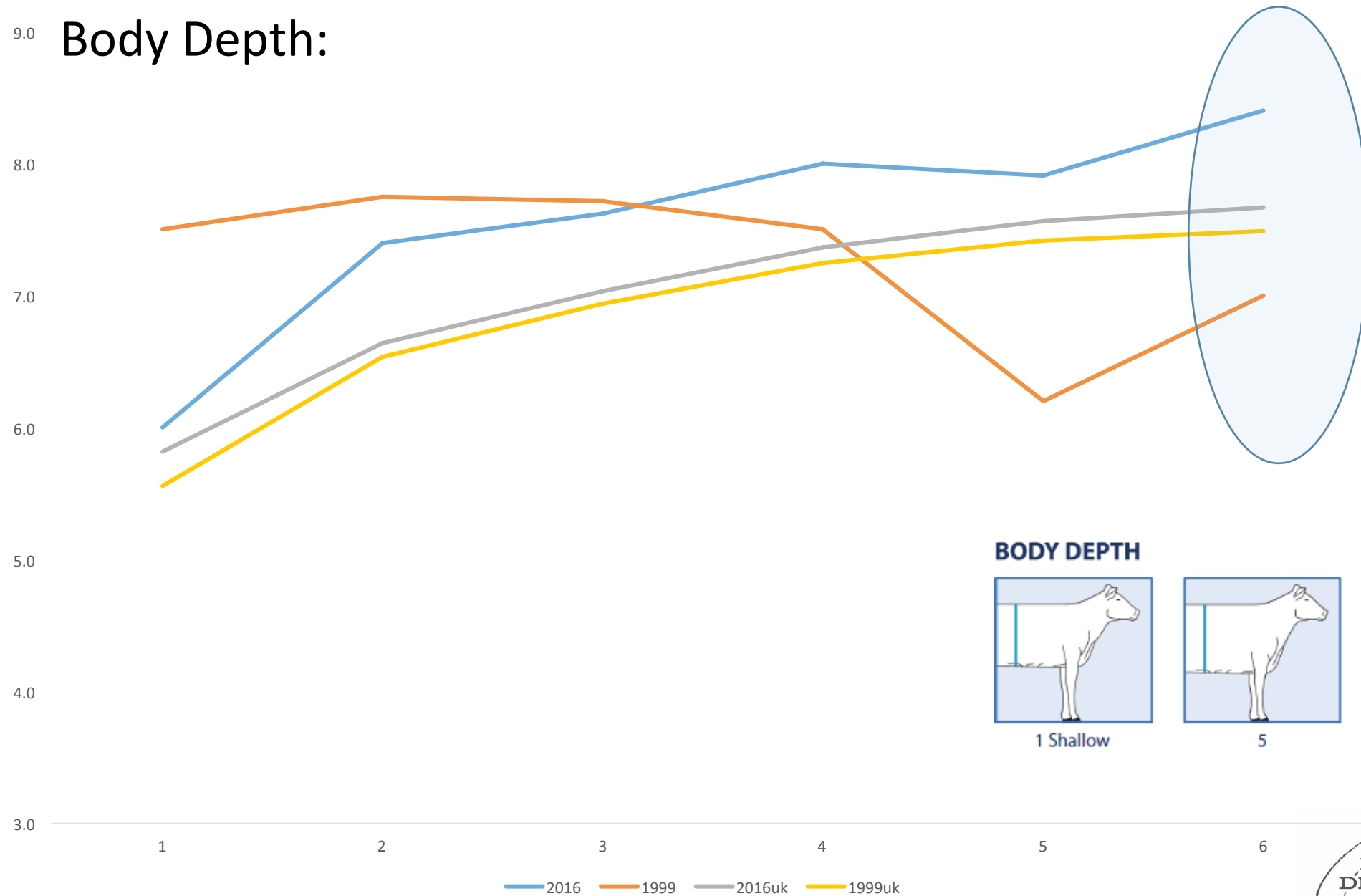


5

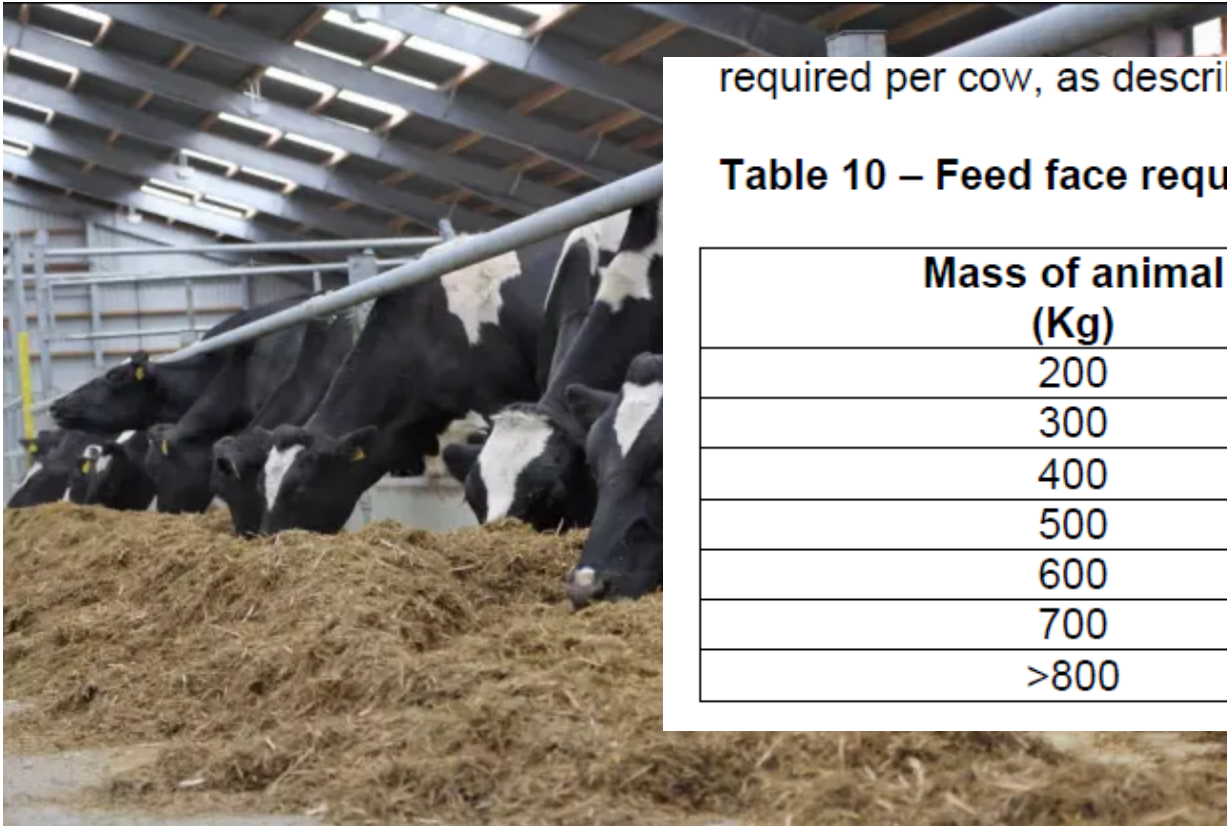


9 Wide

# Body Depth:



# What impact does this have?

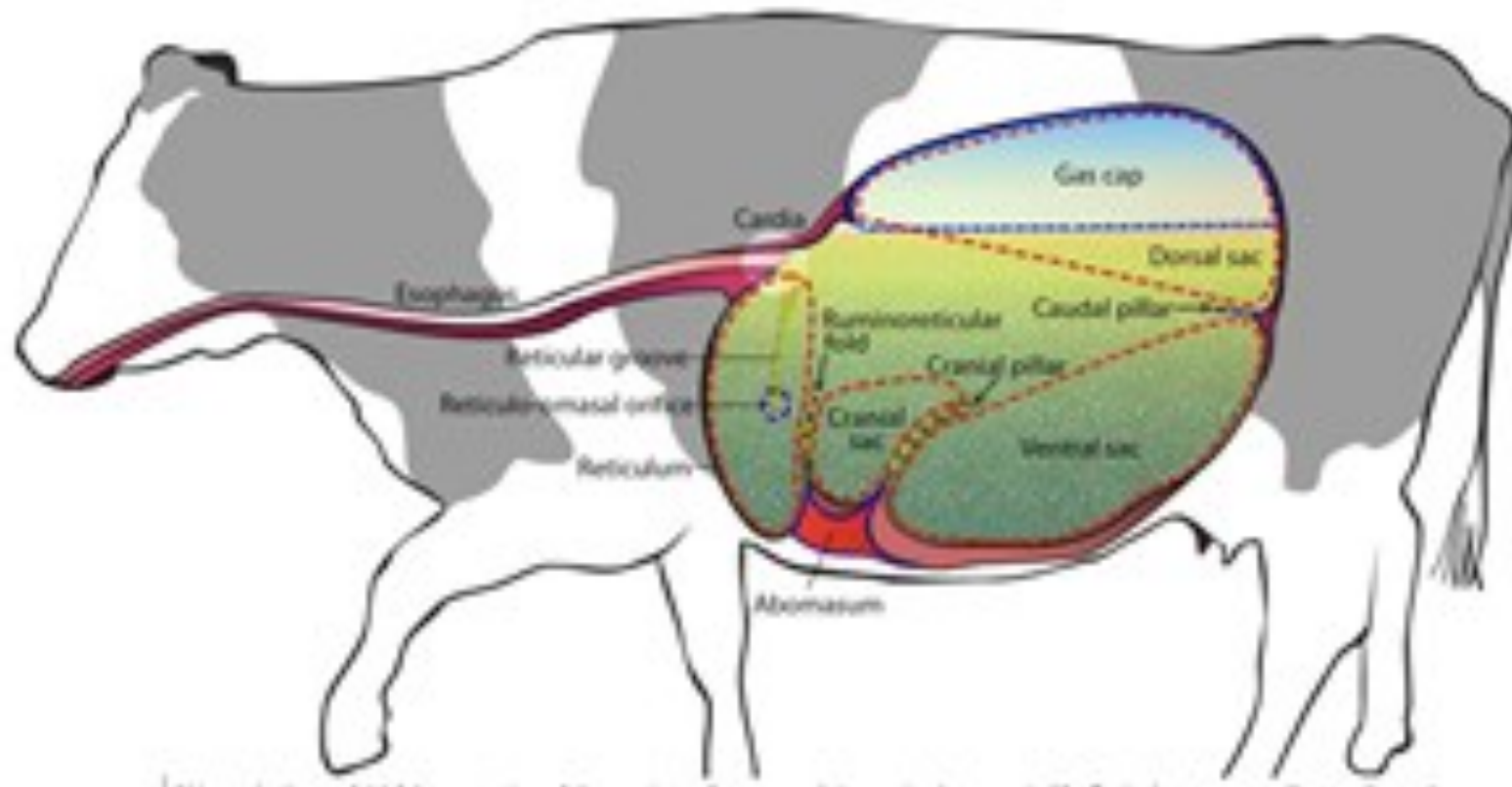


required per cow, as described by BS5502:2005 (6), is shown in Table 10.

**Table 10 – Feed face required for cattle eating simultaneously.**

<b>Mass of animal (Kg)</b>	<b>Width of feed face (m)</b>
200	0.40
300	0.50
400	0.55
500	0.60
600	0.67
700	0.70
>800	0.75

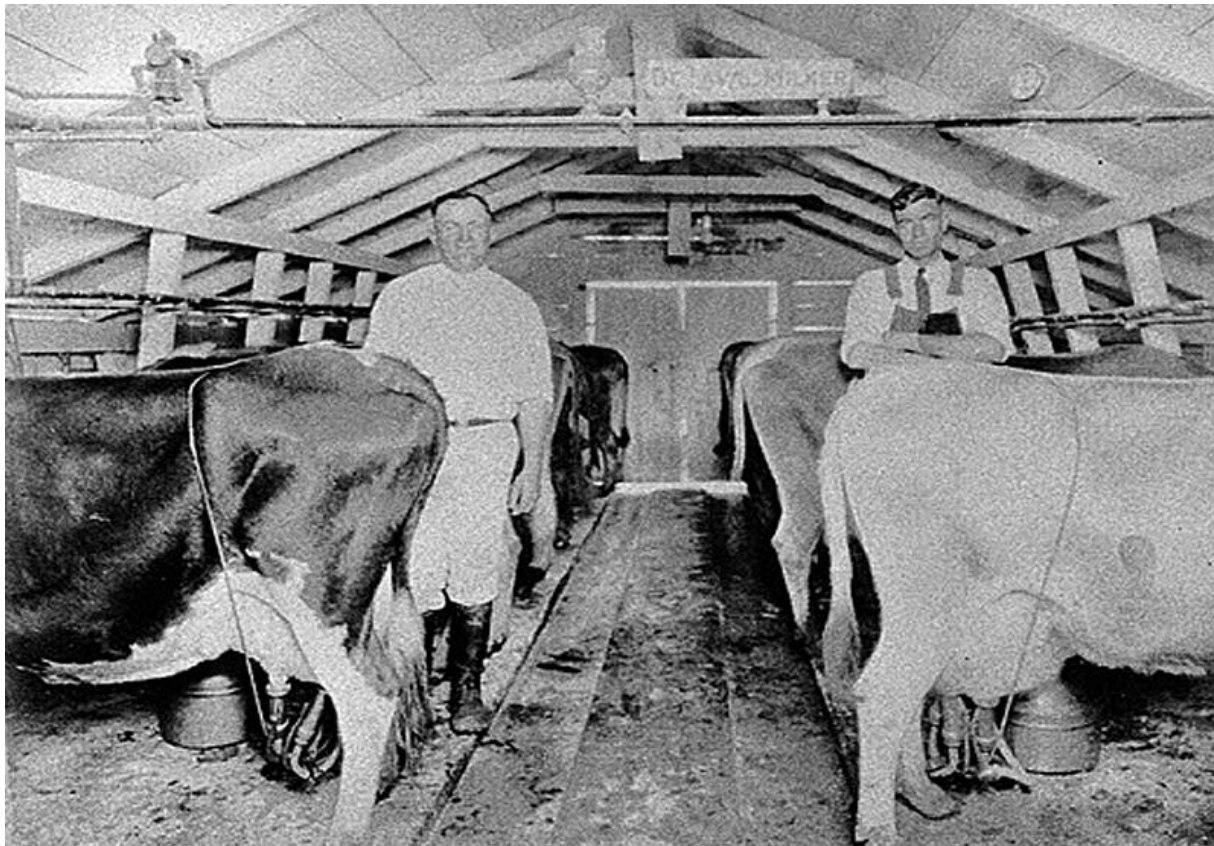




# Physical feed form

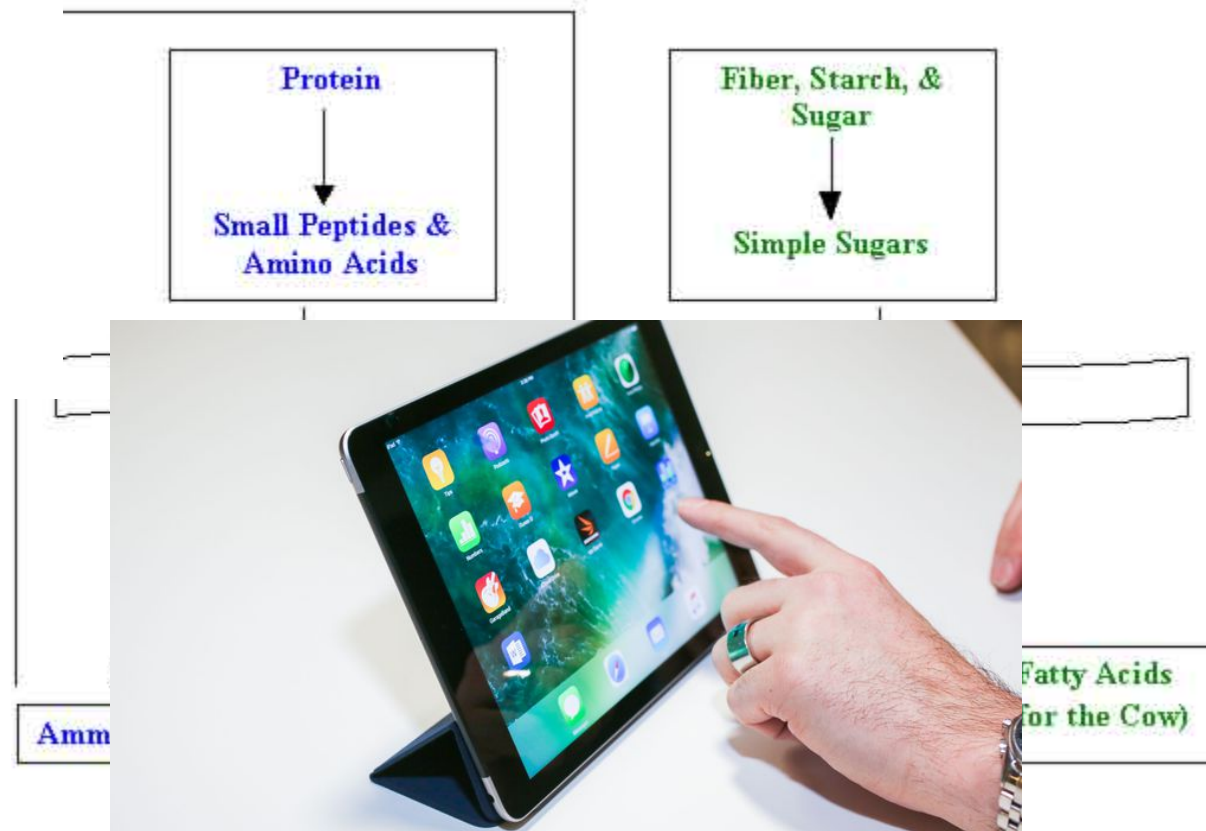








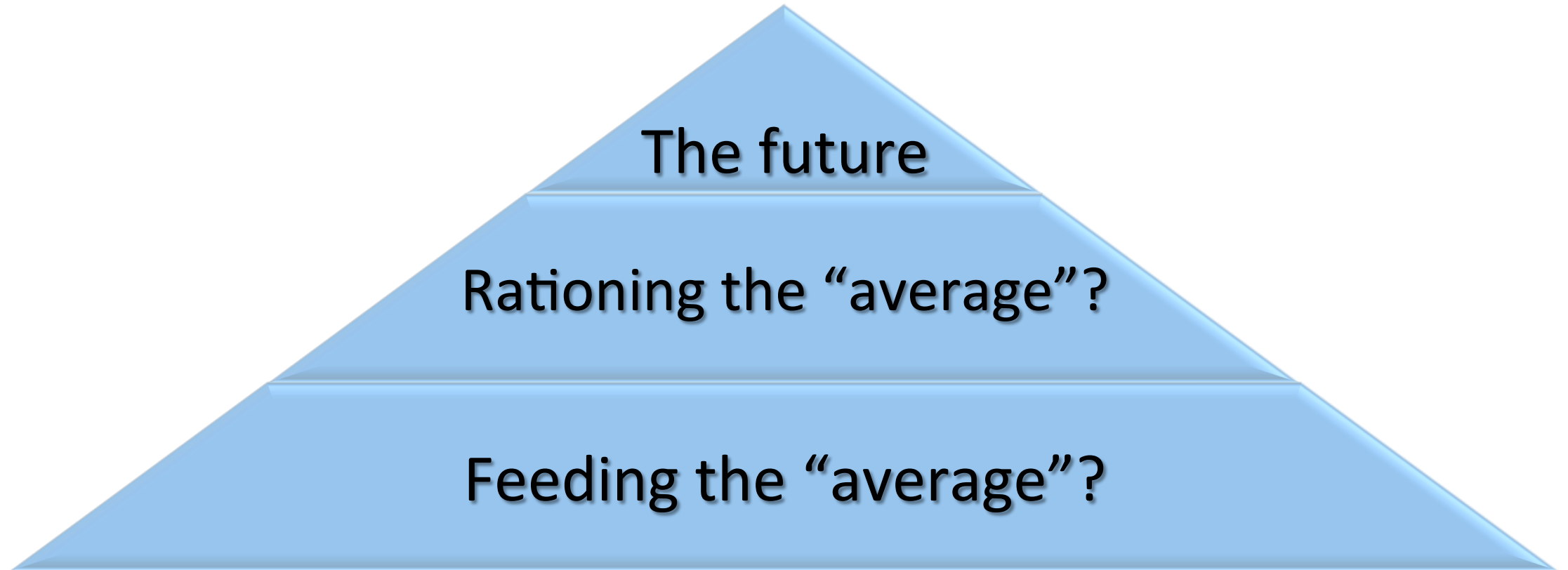
# 21<sup>st</sup> Century Nutrition Prediction



# The future



# Challenging the Normal







Thank you for listening

With sincere thanks to **holstein** UK

