Dairy for Nature & Farmers

HOW DO WE ACHIEVE IT, AND HOW DO WE

MEASURE IT?

Beth Bridge Alfy Gathorne-Hardy

















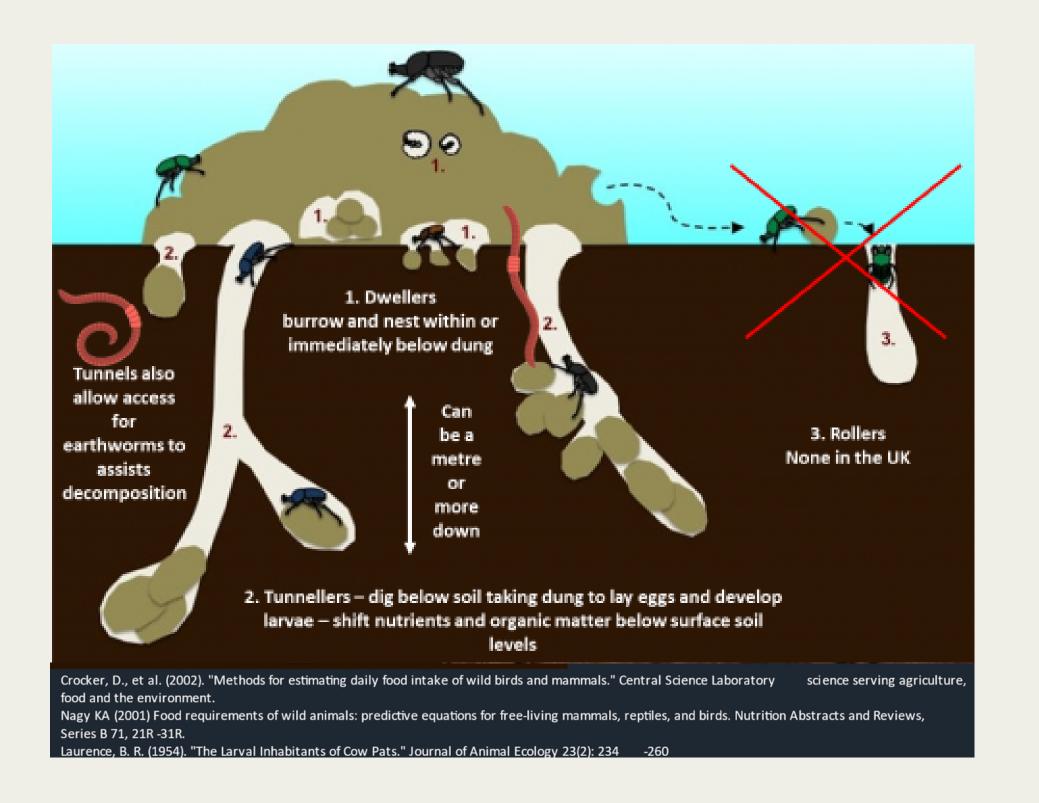








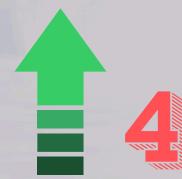
SwalloWs from Cow Dung



| | 7 - W 10 - 2 |
|---|--------------|
| Dung production (% of cow weight) | 5.02 |
| Conversion of dung mass to larval mass | 1.25 |
| Cow weight (kg) | 700 |
| Daily dung production (kg) | 35 |
| Annual dung production (kg) | 12,826 |
| Annual larva production (kg) | 160 |
| Conversion larvae to imago (ratio) | 0.92 |
| Annual production adult insects/cow (kg) | 147 |
| Crcocker, D., et al., (200) SwalloWs per cow | 32.04 |
| Nagy K.A. (2001) SwalloWs per cow | 27.07 |

INCREASE IN BAT ACTIVITY (TIME SPENT BY BATS) COMPARED TO FIELD 1



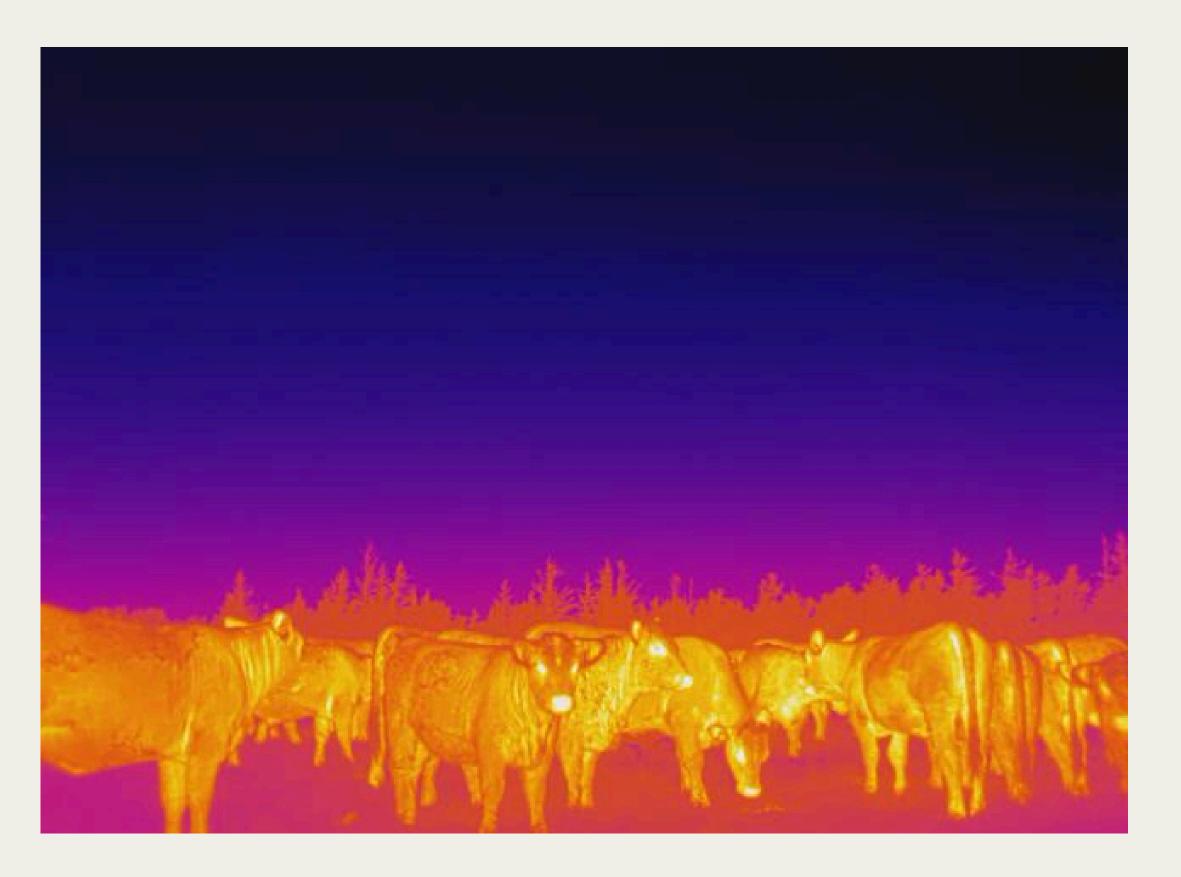


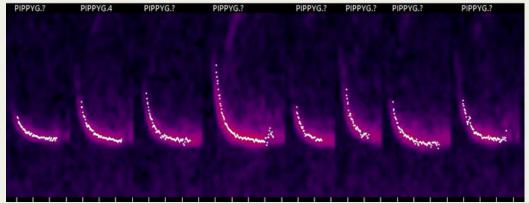


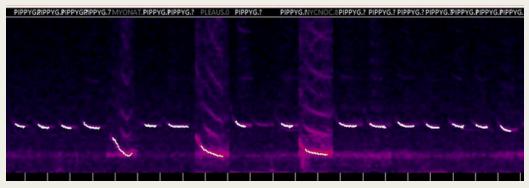












BATS FEED OVER COWS: WHAT ELSE COULD/SHOULD WE MEASURE?

FARMER ACCEPTABILITY: WILL THIS WORK FOR THEM - YIELD/PRACTICABILITY/PROFIT?

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Thank you to Simon Gibson-Poole for lending us his thermal camera, and to Harry Vincent & The Free Company for letting us film their lovely cows