

Pasture Yield  
(pg 97-100)

Why?

- Pasture yield is ....., yet is the most difficult to .....
- visual estimates .....
- Principle determinant .....
- Also used to measure .....

Yield (instantaneous vs dynamic)

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Measurement definition	Instantaneous measurement:	Dynamic measurement
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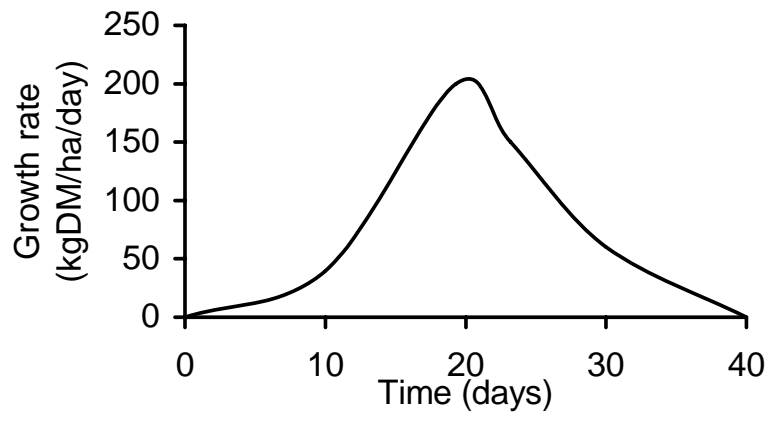
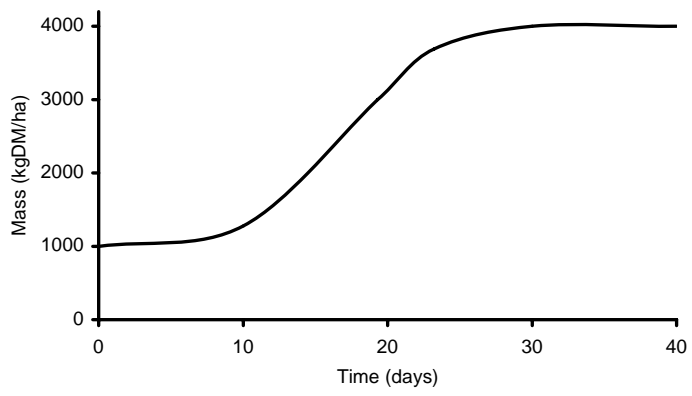
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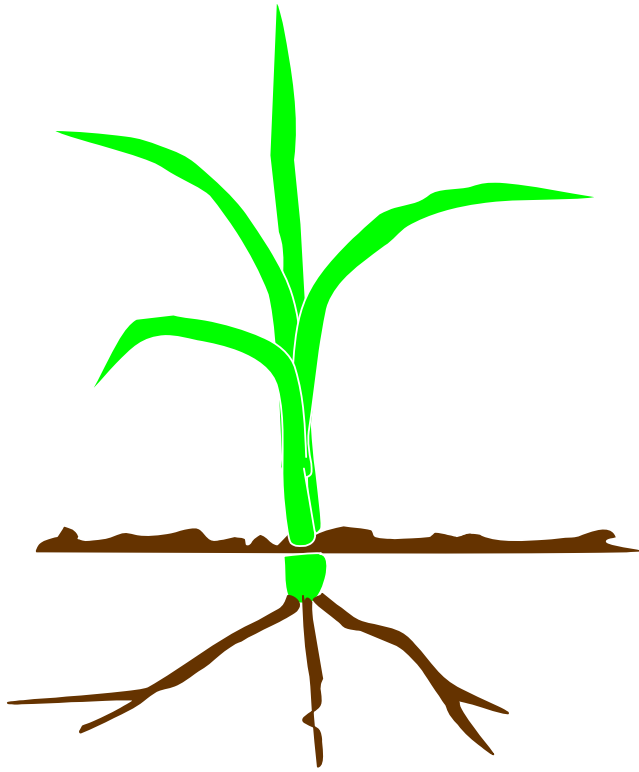
terms

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units

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Measuring herbage mass

Quadrat cutting – typically with hand or electric shears, or mechanical harvester

Advantages

Disadvantages

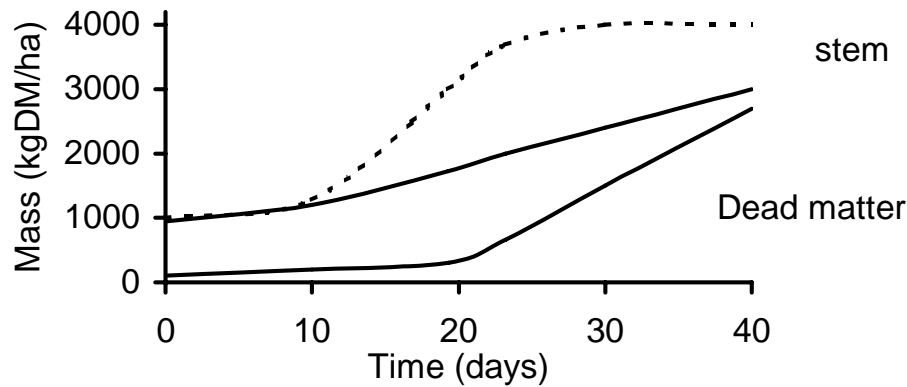
Other measures of mass

- Correlation with height - Rising plate meter, sward stick
  - Eye estimation
  - Spectral reflectance/remote sensing
  - Capacitance meter
- Methods to measure growth rate
- .....
  - Change in .....

- Dilemma of continuous grazing - where grazing ..... a ..... This can lead to ..... of yield
- ..... (CO<sub>2</sub> depletion)
- Predicted with .....
- Predicted from .....

Dilemmas in measuring forage production

- Continuous grazing
- Weeds-should these be included in yield?
- Pasture death



Dead Matter

- Poor quality, .....
- Poor animal performance if .....
- Lost opportunity .....
- Critical for determining .....
- Yield = NPP – death
- Critical for predicting changes ..... (carbon sequestration)
- Almost impossible to measure – high errors during periods of high decomposition