

Total animal population  
(TA<sub>i</sub>)  
head

Manure yields  
(MY<sub>i</sub>)  
kgN/head

```
graph TD; A[Total animal population (TAi) head] --> C[TAi * MYi]; B[Manure yields (MYi) kgN/head] --> C; C --> D[Total Manure (N content) (TMI) kgN];
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$$TA_i * MY_i$$

Total Manure (N content)  
(TM<sub>i</sub>)  
kgN