

**N INPUT**

**PATCH AGING**



**Manure N  
on pastures**

24 h

**G1**

240 h

**G2**

360 d

**G3**

Mineralized  
nitrogen

TAN transferred from younger to older pools

**Manure organic N on pastures: GA, GR**

**Manure N  
in slurry**

12 h

**S0**

24 h

**S1**

240 h

**S2**

360 d

**S3**

Mineralized  
nitrogen

**Manure organic N in slurry: SA, SR**

**Urea**

2.4 d

**U1**

24 h

**U2**

360 d

U2 ages to F3

TAN produced by urea hydrolysis

**F1**

**F2**

**F3**

**NH<sub>4</sub>  
fertilizer**

360 d

**F4**

