**N INPUT**  
**PATCH AGING**

**Manure N on pastures**
- 24 h: G1
- 240 h: G2
- 360 d: G3

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

Manure organic N in slurry: SA, SR

**Urea**
- 2.4 d: U1
- 24 h: U2
- 360 d: F3

TAN produced by urea hydrolysis

U2 ages to F3

**NH4 fertilizer**
- 360 d: F4