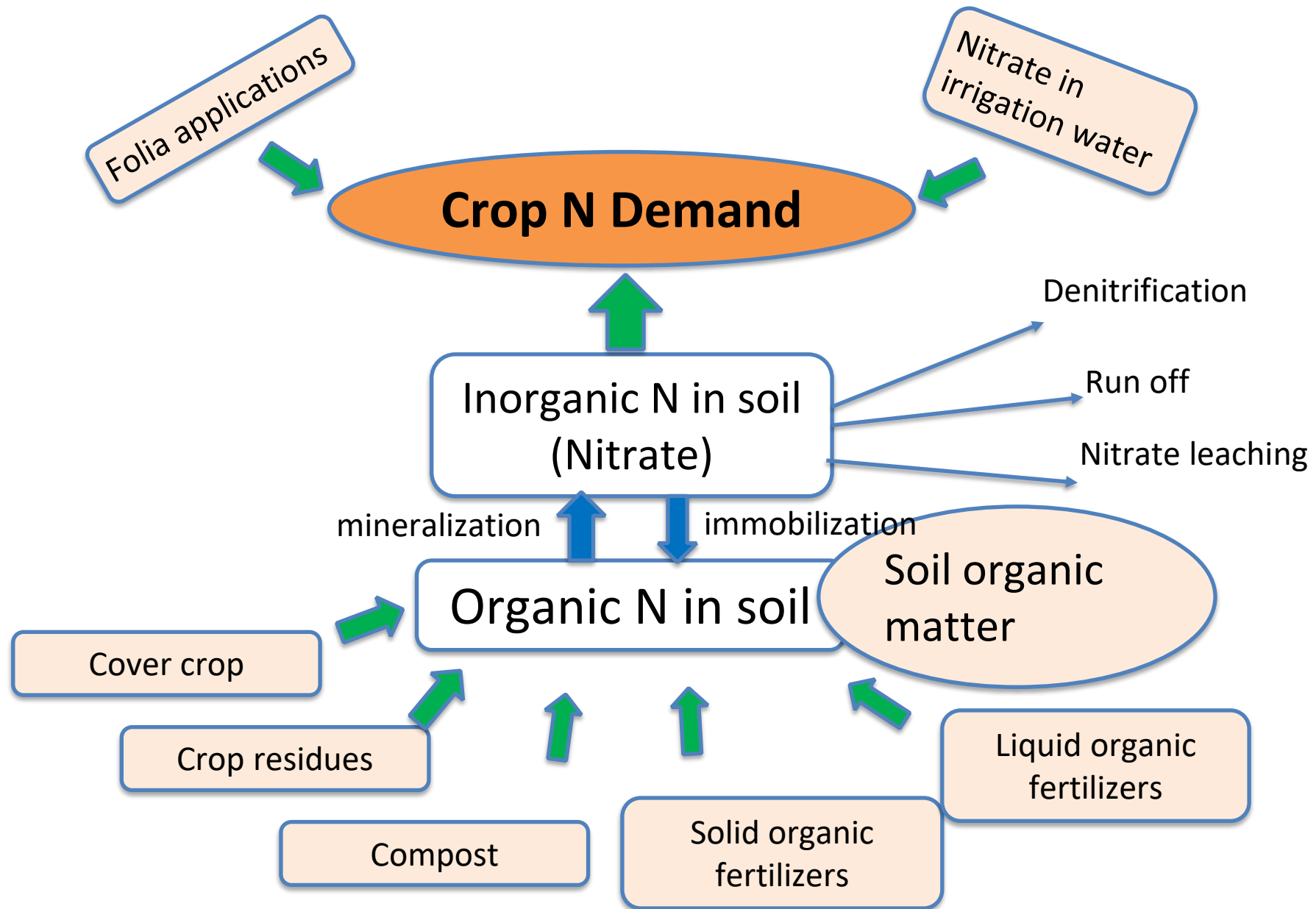


N dynamics in conventional systems

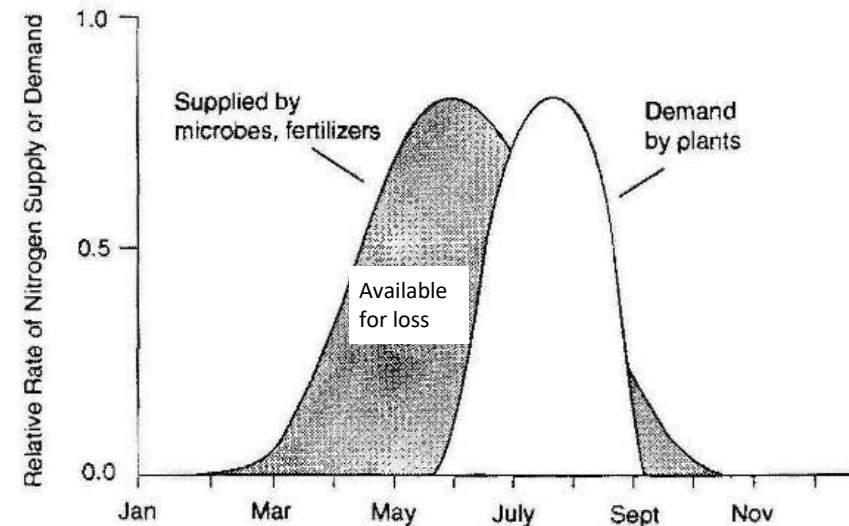


N dynamics in organic systems

Synchrony of Nitrogen Supply and Nitrogen Demand

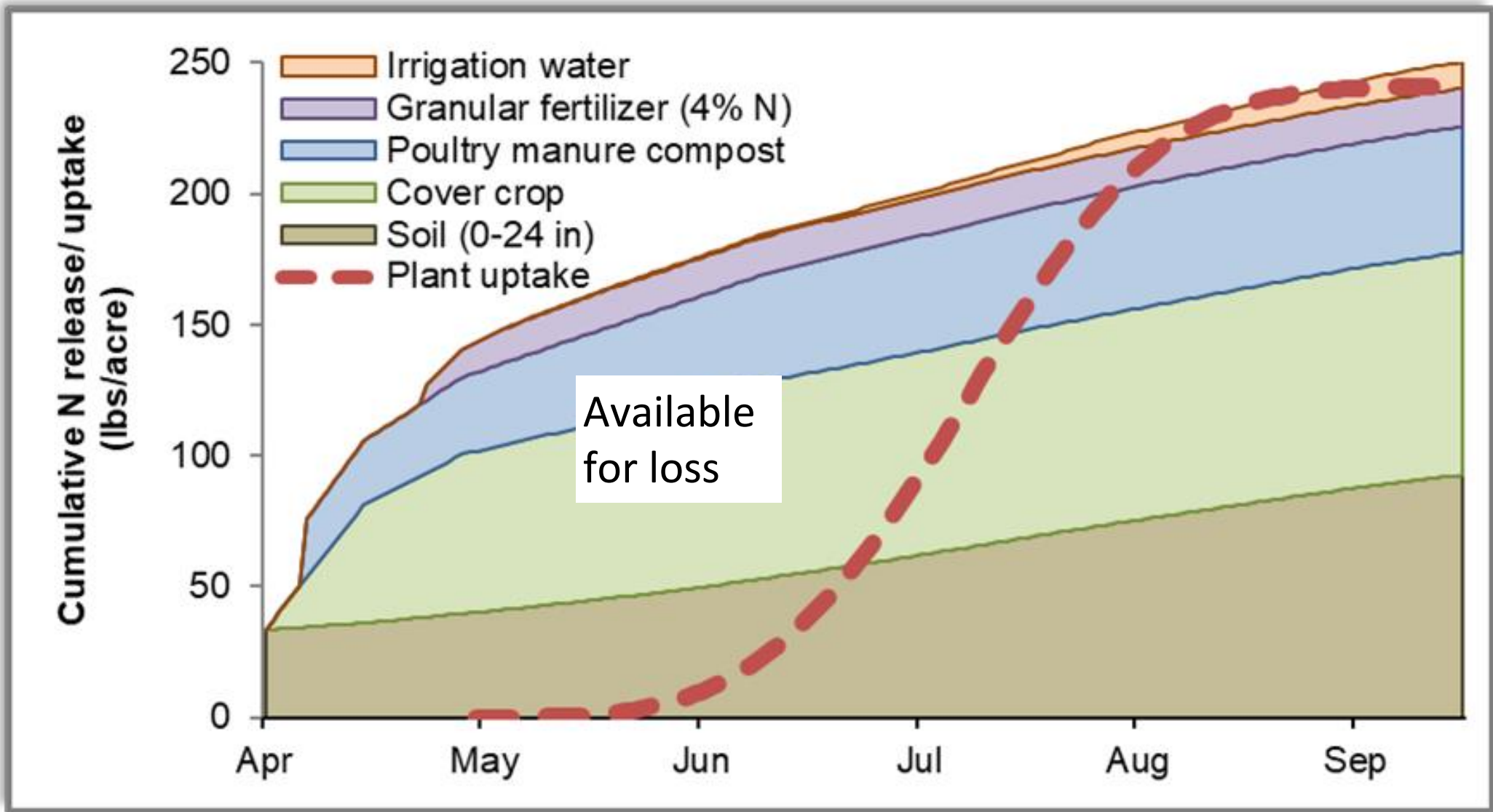
(Woomer and Swift, 1994; Campbell, et al., 1995)

- *Matching N supply with N demand of a crop - Amount and timing*
- *Important for:*
 - *Efficient use of N resources*
 - *Protecting ground and surface water from nitrate contamination*
 - *Reducing N fertilizer cost*
 - *Good yield*



Asynchrony of N supply and N demand

(Robertson, 1997)



Asynchrony of N supply and N demand in an organic tomato system