



This objective of this policy-making forum article is to establish a circadian physiological basis for nutrient intake-uptake orchestration in various crops. The ideology stems from the very recent discoveries in ruminant chronophysiology [1-6].

Chronophysiology is an evolutionary integrative interscience that enables animals including humans to cope with the highly fluctuating environment [1-3]. Timing of eating and, thus, timing of nutrient uptake by splanchnic and peripheral tissues are proposed to orchestrate circadian rhythms of nutrient metabolism involving digestion, transport and assimilation [4-6]. Such a circadian orchestration of food intake and nutrient uptake, consequently, regulates appetite in animals [1-6].