 

**A**

**B**

**C**

**Supplementary Figure S1**. Degraded pasture affected by sudden death of *Brachiaria brizahnta* cv. Marandu(síndrome da morte do braquiarão in Portugese) (A), sustainably intensified pasture (B) and grass-legume pastures (C). (B) and (C) represent improved management and carrying capacity managed under rotational grazing in the Brazilian Amazon. Photos courtesy of Judson Valentim / Embrapa.

 

**Supplementary Figure S2**. Integrated crop-livestock-forestry system during forestry-cattle phase with seven year old eucalyptus trees and Brachiaria brizantha pastures under rotational grazing in the Brazilian Cerrado (left panel, photo: Lourival Vilela).

Right panel: Integrated crop-livestock-forestry system during forestry-cattle phase with four year old eucalyptus trees and Brachiaria brizantha pastures under rotational grazing in the Brazilian Cerrado (Photo: Allan Kardec).



Integrated crop-livestock-forestry system in second year of the crop—forestry phase with two year old eucalyptus trees and mature soybean crop in the Brazilian Cerrado (Photo: Lourival Vilela).