

(A)

POULTRY & EGG MASS ESTIMATE

poultry



per capita mass, $m_{\text{poultry}}^{(\text{diet})} \approx \frac{f \times 10^{-1} \text{ kg}}{\text{person} \times \text{week}} \times \frac{52 \text{ weeks}}{1 \text{ year}}$
 $\approx 10 \text{ kg} / (\text{person} \times \text{year})$

global mass, $m_{\text{poultry}} \approx \frac{10 \text{ kg}}{\text{person} \times \text{year}} \times 8 \times 10^9 \text{ people}$
 $\approx 10^{11} \text{ kg} / \text{year}$

eggs



per capita mass, $m_{\text{egg}}^{(\text{diet})} \approx \frac{f \text{ eggs}}{\text{person} \times \text{week}} \times \frac{f \times 10^{-2} \text{ kg}}{1 \text{ egg}} \times \frac{52 \text{ weeks}}{1 \text{ year}}$
 $\approx f \text{ kg} / (\text{person} \times \text{year})$

global mass, $m_{\text{egg}} \approx \frac{f \text{ kg}}{\text{person} \times \text{year}} \times 8 \times 10^9 \text{ people}$
 $\approx f \times 10^{10} \text{ kg} / \text{year}$

(B)

global mass, $m_{\text{chicken}} \approx m_{\text{poultry}} + m_{\text{egg}} \approx 1.f \times 10^{11} \text{ kg} / \text{year}$

data source: Food and Agricultural Organization (FAO) of the UN

