Fertilizing Crops to Improve Human Health

Micronutrient deficiencies severely affect people worldwide



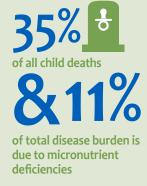


Malnutrition affects people, mostly children, who either do not have enough to eat or do not eat the proper amount of micronutrients















each year, including 60% of under-5 child deaths

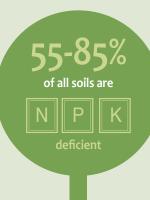
450,000

annual deaths in children under 5 years old due to **Zn deficiencies**

of the global population at risk

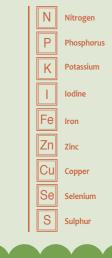
Fertilizers provide nutrients to soils, livestock & people





of agricultural production growth to 2050 will come from land expansion

only a few



Adding micronutrients to fertilizers can eradicate deficiencies in Zn, Se and I

FARMING & FERTILIZING CAN IMPROVE



Adding fertilizers and micronutrients to the soil can increase the content, composition and bioavailability of vitamins and micronutrients

billion of people at risk of nutrient deficiencies

QUANTITY ⇒

Deficiencies in nutrients limit crop yields

without fertilizer we would have

less food to eat

DIVERSITY ⇒

Adding fertilizers and micronutrients can impact positively on desirable consumer attributes of food and plant products such as color, shape, size, freedom from visible defects, texture, sweetness, acidity, aroma, flavor and shelf-life



SAFETY **⇒**

OF CROPS Fertilizers have diminished human

disease risks



enhance health components in food



(incl. antioxidants)



Reduces 'ergot' on wheat, which is poisonous to humans when infected grains are ingested

Healthy Plants and Soils Nurture Healthy People

Fertilizers improve food security and nutrition









SAVING AND IMPROVING THE LIVES OF CHILDREN



