Fertilizing Crops to Improve Human Health

Micronutrient deficiencies severely affect people worldwide

1 of 6 people are chronically hungry today
2.5 million children die every year from malnutrition
60% more food needed by 2050

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

35% of all child deaths
8 & 11% of total disease burden is due to micronutrient deficiencies

Up to 40% of the world’s agricultural land is seriously degraded
55-85% of all soils are NPK deficient
Less than 20% of agricultural production growth to 2050 will come from land expansion

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

FARMING & FERTILIZING CAN IMPROVE

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

QUANTITY
Deficiencies in nutrients limit crop yields
Without fertilizer we would have 40-60% 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
Fertilizers have diminished human disease risks

OF CROPS

Healthy Plants and Soils Nurture Healthy People

MORE FOOD
Fertilizers improve food security and nutrition

SAVING AND IMPROVING THE LIVES OF CHILDREN

www.ipni.net www.fertilizer.org