

Roots for Growth



Roots for Growth



International
Fertilizer Industry
Association

Luc M. Maene
Director General

Roots for Growth



CANADIAN FERTILIZER INSTITUTE
INSTITUT CANADIEN DES ENGRAIS



The **Fertilizer Institute**
Nourish, Replenish, Grow

Roots for Growth



Roots for Growth



Food & Nutrition Security

Soil Health

Environmental Stewardship

Sustainable Agriculture

- Home
- About Us
- Supporters
- Newsroom
- Contact Us



Highlighting the Role of Fertilizers, Crop Nutri partager En savoir plus



FertilizerNews
RT

@CdnFertInst:
#Fertilizers help farmers feed our growing population by replenishing essential nutrients in the soil after each harvest.
about 19 hours ago

Roots for Growth



Key issues



Food & nutrition security

Soil health

Environmental stewardship

Sustainable agriculture



Key issues



Food & nutrition security

Soil health

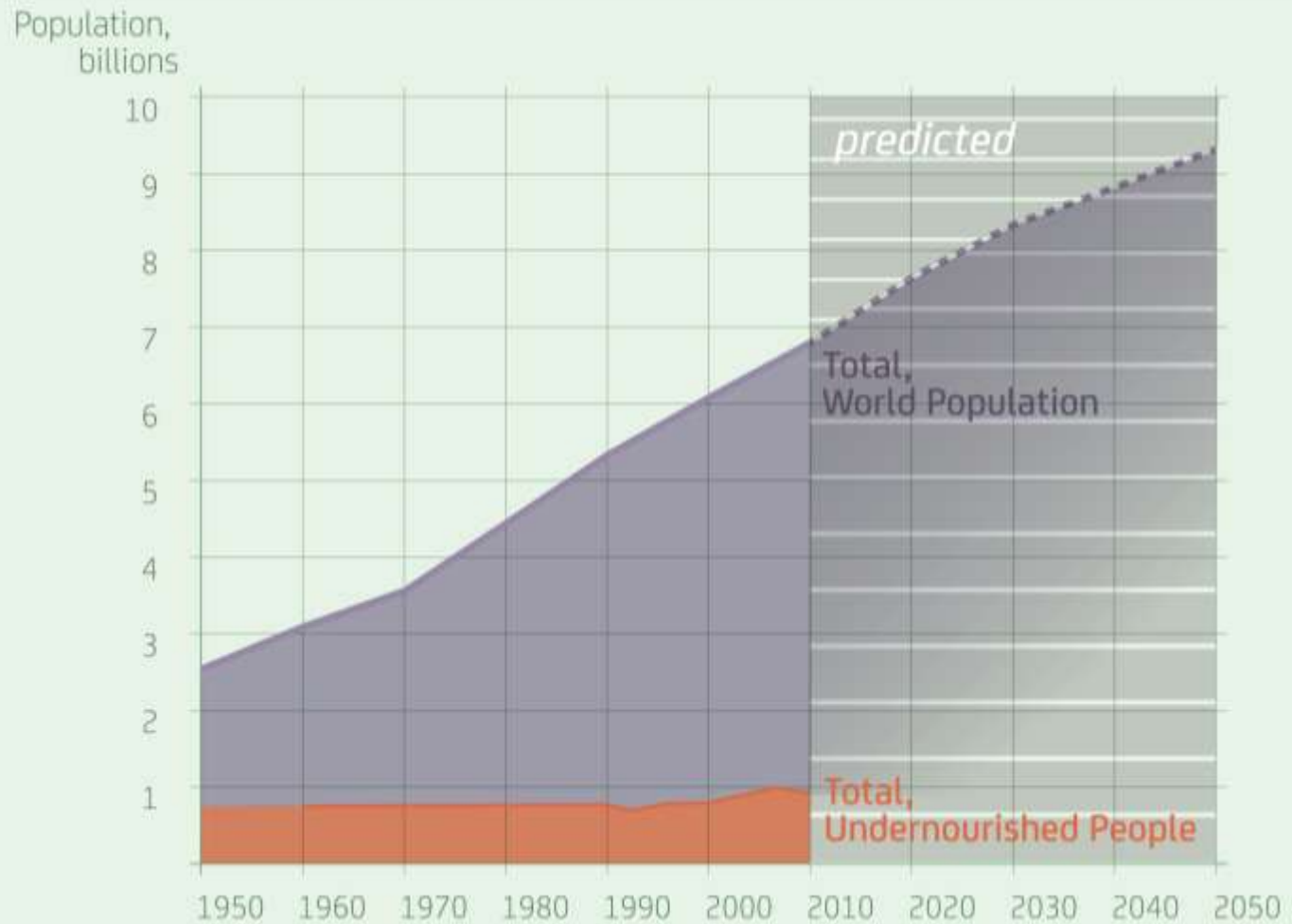
Environmental stewardship

Sustainable agriculture



Food & nutrition security

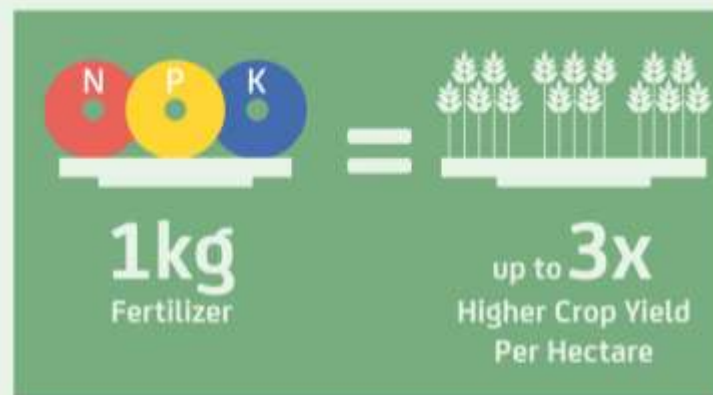
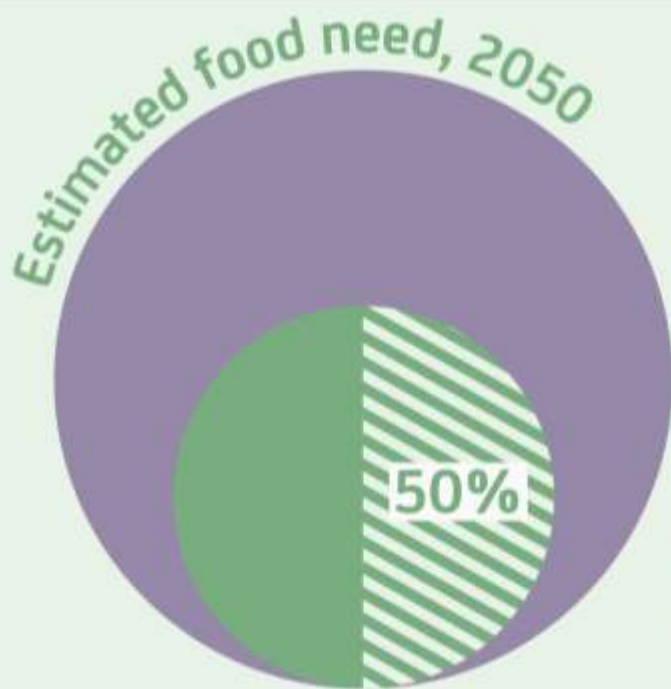
Is agriculture succeeding in feeding the world?





Food & nutrition security

How do fertilizers contribute to food production?

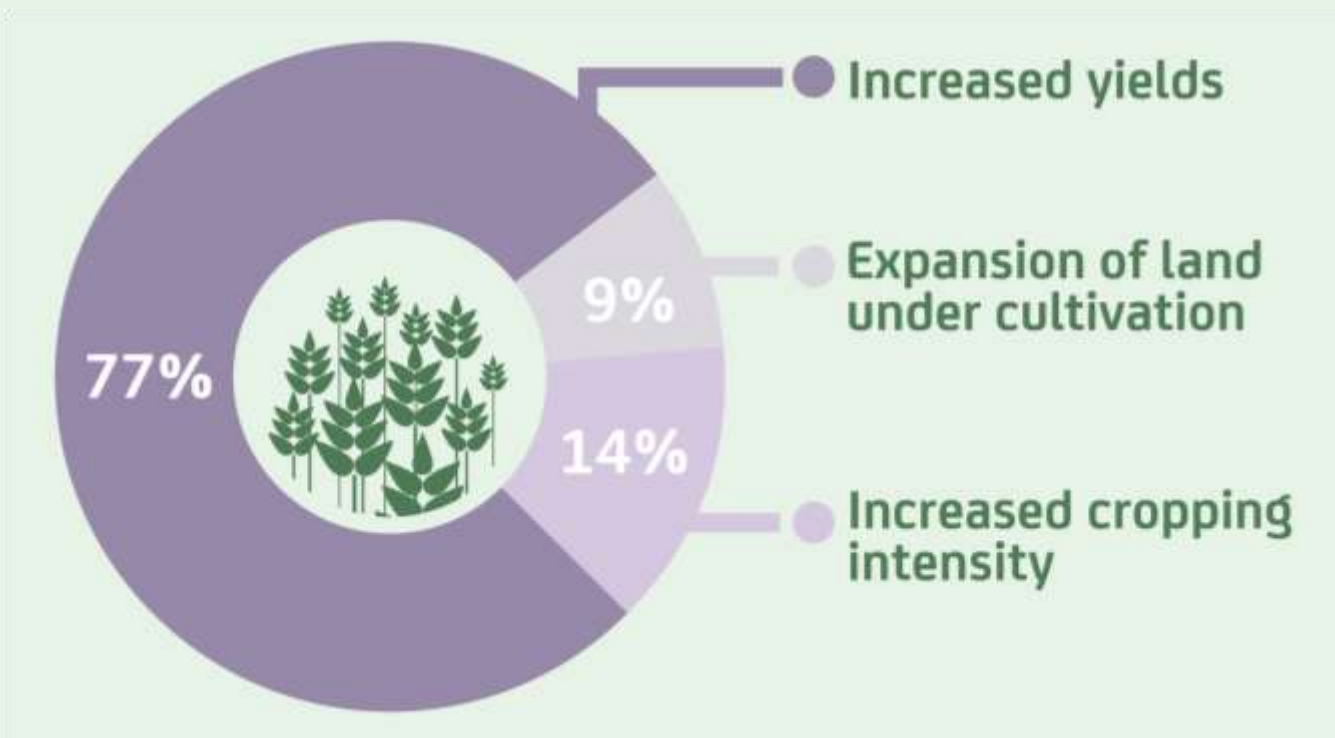


- Current food need
- ▨ Contribution of fertilizer use to current food production



Food & nutrition security

How can we increase food production in the future?





Food & nutrition security



Roots for Growth



INTERVIEW



William J. Doyle

President, International Fertilizer Industry Association

Roots for Growth





Key issues



Food & nutrition security

Soil health

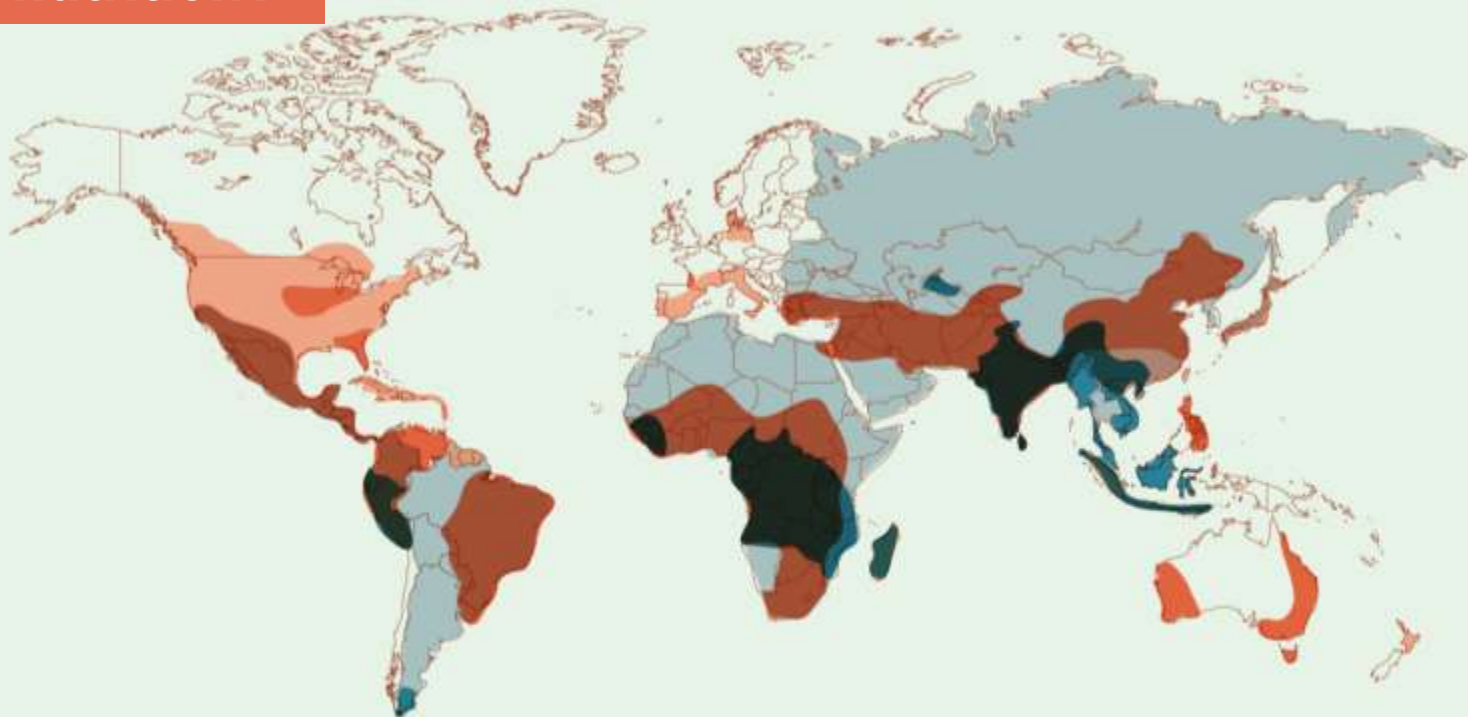
Environmental stewardship

Sustainable agriculture



Soil health

Are nutrients in the soil connected to human nutrition?



Areas of most significant overlap



Zinc Deficiency in Soils

High  Medium

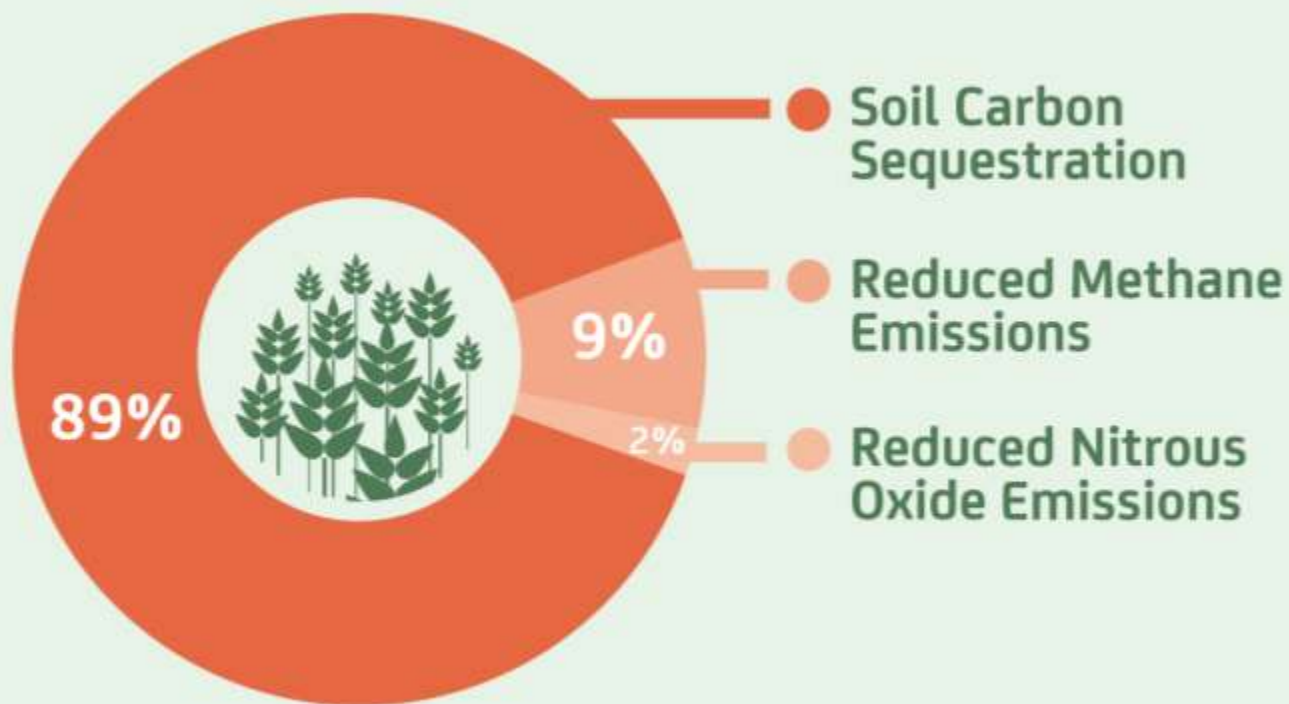
Zinc Deficiency in Humans

High  Medium



Soil health

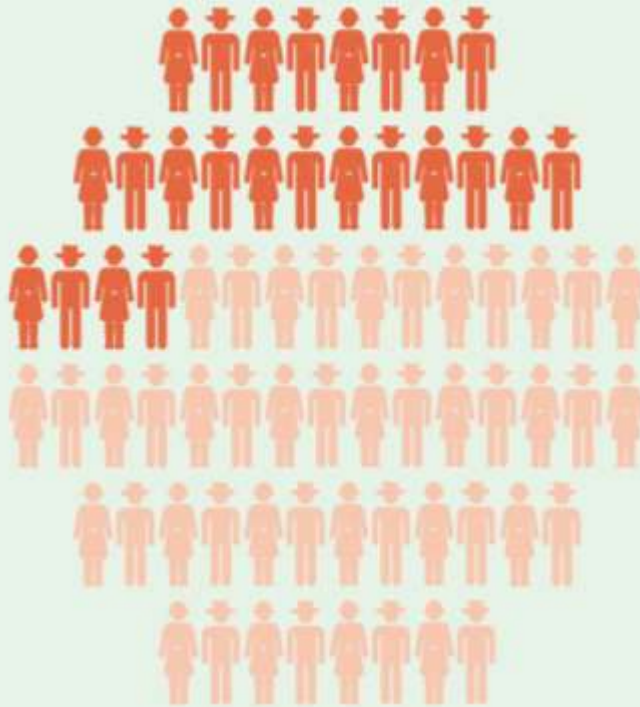
What is agriculture's future climate change mitigation potential?





Soil health

What is the role of organic farming in agriculture?



If the world's
1.5 billion
hectares of farm land were farmed
organically, there would only be enough
food for
2.4 billion
people, about
1 in 3
of those in the world today.



Soil health





RIO+20

United Nations Conference
on Sustainable Development

**Several IFA members were at Rio+20
and participated in a series
of side-events**

INTERVIEW



Anne Grethe Dalane

Regional Director, Latin America, Yara International



RIO+20

United Nations Conference
on Sustainable Development

Roots for Growth



Key issues



Food & nutrition security

Soil health

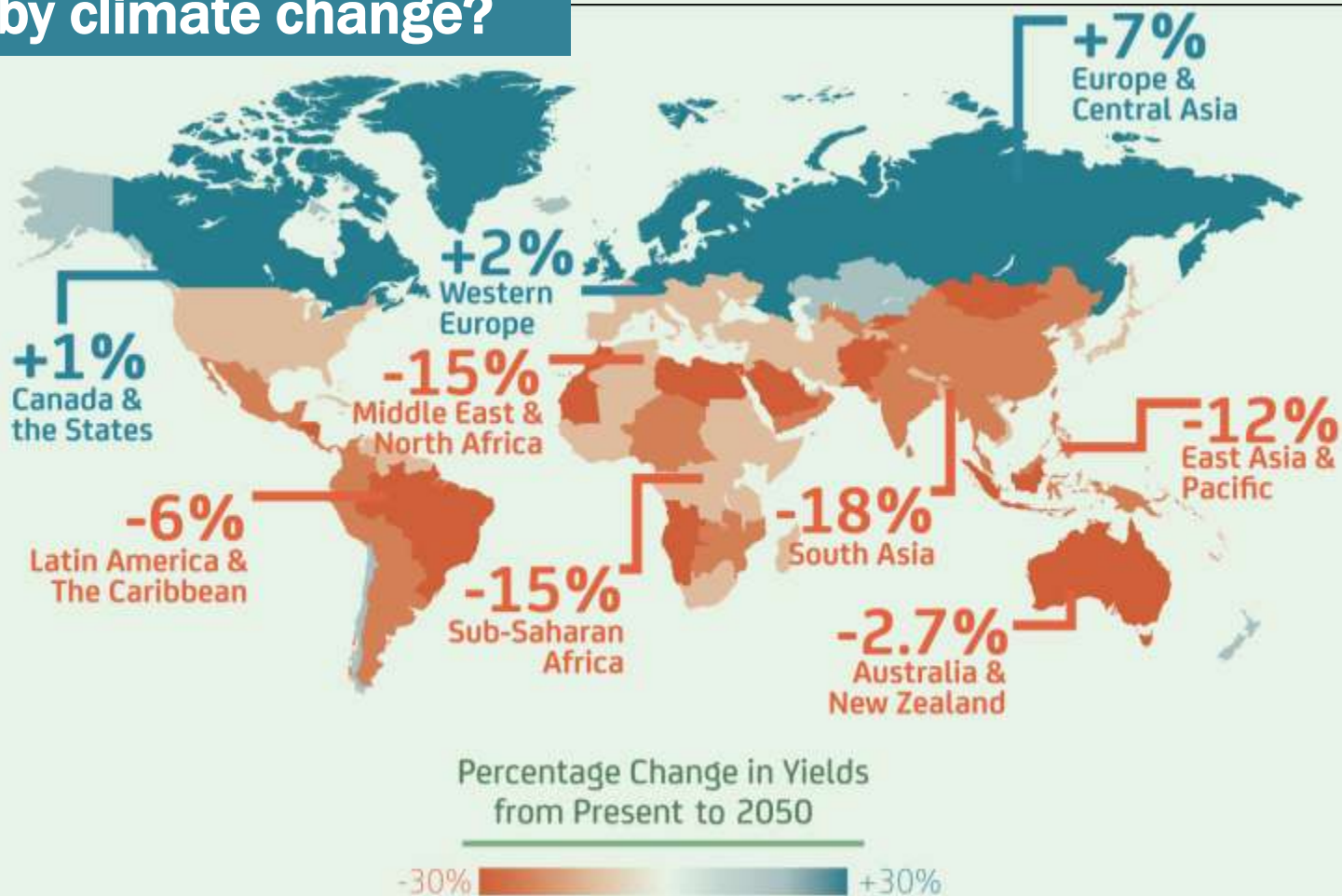
Environmental stewardship

Sustainable agriculture



Environmental stewardship

How will agricultural yields be impacted by climate change?





Environmental stewardship

How can agriculture help protect habitats and biodiversity?





Environmental stewardship



Roots for Growth



INTERVIEW



William J. Doyle

President, International Fertilizer Industry Association

Roots for Growth



Roots for Growth



Key issues



Food & nutrition security

Soil health

Environmental stewardship

Sustainable agriculture



Sustainable agriculture

How do fertilizer best management practices help?

10-30%

Efficiency increases can be achieved from the precise management of fertilizer use

Right Source



Right Rate



Right Time



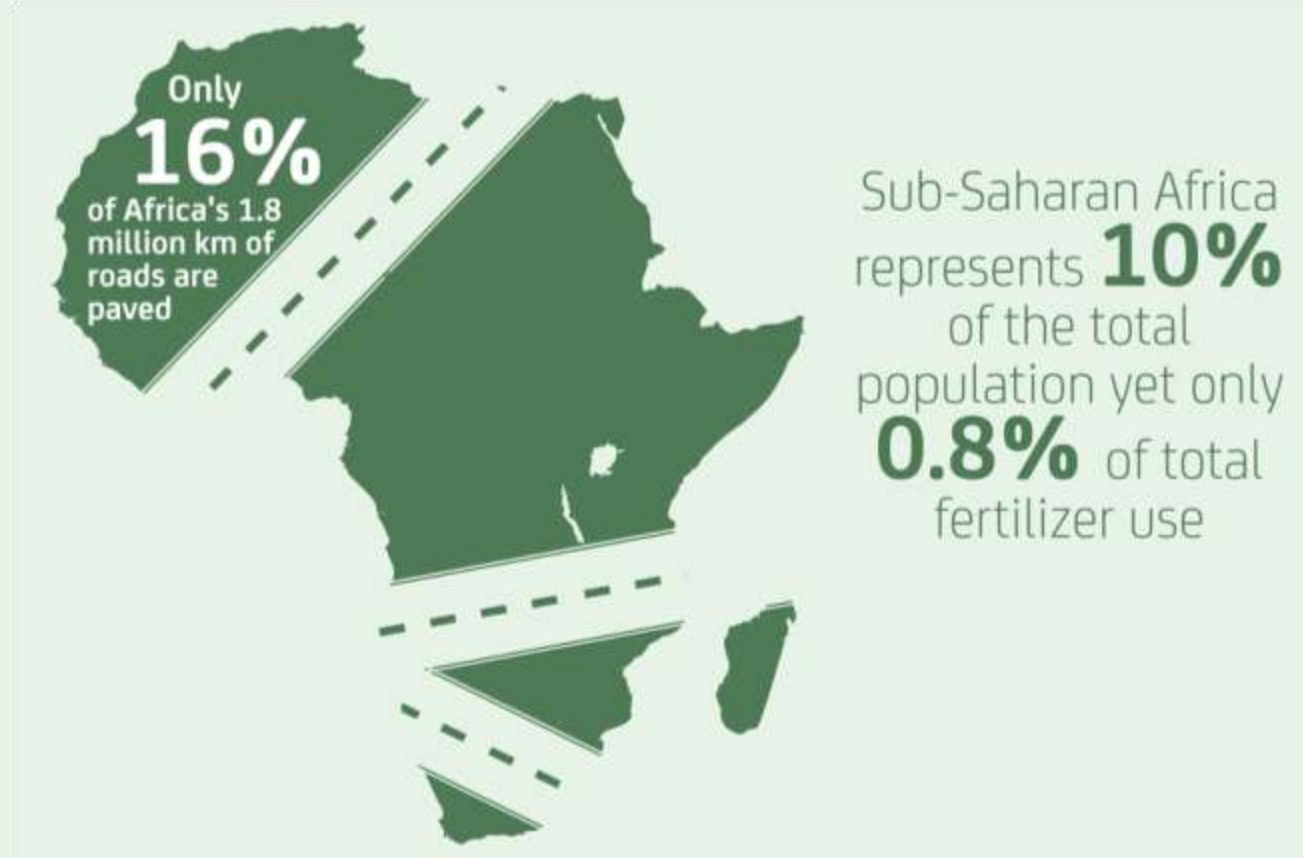
Right Place





Sustainable agriculture

What role does infrastructure play in sustainable agriculture?





Sustainable agriculture





RIO+20

United Nations Conference
on Sustainable Development

**Several IFA members were at Rio+20
and participated in a series
of side-events**



RIO+20

United Nations Conference
on Sustainable Development

**Several IFA members were at Rio+20
and participated in a series
of side-events**

INTERVIEW



Dr. Luis Prochnow

Brazil Program Director, International Plant Nutrition
Institute



RIO+20

United Nations Conference
on Sustainable Development



RIO+20

United Nations Conference
on Sustainable Development

**Several IFA members were at Rio+20
and participated in a series
of side-events**

INTERVIEW



Clyde Graham

Vice President, Canadian Fertilizer Institute



RIO+20

United Nations Conference
on Sustainable Development




RIO+20

United Nations Conference
on Sustainable Development

ZERO HUNGER CHALLENGE

- Achieving 100 per cent access to adequate food all year round
- Ending malnutrition in pregnancy and early childhood
- Making all food systems sustainable
- Increasing growth in the productivity and income of smallholders, particularly women
- Achieving a zero rate of food waste



www.RootsForGrowth.com