



International
Fertilizer Industry
Association

Climate Change Thematic Discussion: Feeding an Increasing Population while Tackling Climate Change

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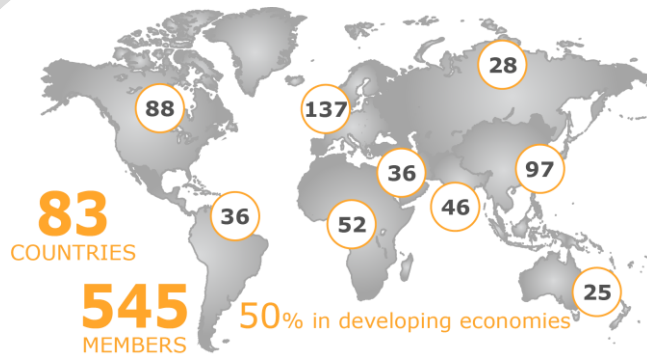


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ifa ...at a glance

- The voice of the global fertilizer industry
- Producing the nutrients that feed the crops that feed the people





...helping give farmers a voice

IFA funds and co-chairs the Farming First coalition

> Articulates, endorses and promotes practical, actionable programmes and activities to further sustainable agricultural development worldwide.

> Is supported by 131 organizations representing the world's farmers, scientists, engineers and industry as well as agricultural development organisations.



...3 Key questions

1 How is fertilizer production and use linked to the environment and climate change?



2 How can the mitigating role of fertilizers be enhanced and the negative impacts be minimized?

3 What are the common interests that IFA and WFO should pursue?



...How is fertilizer production and use linked to the environment and climate change?



Mineral fertilizers are said to account for as much as 50% of our global food supply.



Integration of organic and mineral fertilizers to soils is the most effective strategy to maintain soils.



Fertilizer helps prevent further deforestation by enabling intensification over existing arable land.

But there are risks of polluting water, air and soils



...How can the mitigating role of fertilizers be enhanced and the negative impacts be minimized?

IFA members are investing in innovation and research to mitigate environmental effects

INNOVATIONS INCLUDES

- ☺ Coating soluble fertilizers to allow controlled release of nutrients in the root zone
- ☺ Adding inhibitors to slow the conversion of urea fertilizer and thereby minimize potential ammonia loss to the atmosphere
- ☺ Using slow-release fertilizer compounds to produce a gradual release of nutrients that match plant demand
- ☺ Adding soluble fertilizer to irrigation water to deliver nutrients to the root zone in a more precise and timely manner
- ☺ Adding nitrification inhibitors to nitrogen fertilizer to reduce potential nitrate losses

 **ifa** ...Nutrient Stewardship and the 4Rs



4R PARTNERS

RIGHT HERE. RIGHT NOW.
JOIN THE 4R EFFORT.

WHAT ARE THE 4RS?

Integrated Farming
Integrated Crop Management
Integrated Soil Fertility Management
Integrated Plant Nutrient Management
Fertilizer Best Management Practices


FERTCARE®

Code of Practice for Nutrient Management
(With Emphasis on Fertilizer Use)

WHOLE FARM NUTRIENT PLAN


ENVIRONMENTAL
ECONOMIC
SOCIAL

Source
Rate
Time
Place


 **ifa** ...What are the common interests that IFA and WFO should pursue?

Together IFA & WFO can:

- ☺ Disseminate best practices to mitigate climate change stemming from agriculture
- ☺ Enhance efforts on extension and training for farmers
- ☺ Give farmers a stronger voice in policy-making fora




2014
International Year of
Family Farming




...Nutrient targets in the SDGs and post-2015 agenda

- focus on outreach to farmers
- No trade-off between climate change mitigation and sustainable intensification
- Solutions need to be mindful of food security
- Sustainable development must be viewed in its social, economic and environmental dimensions



WE CAN END POVERTY 2015 MILLENNIUM DEVELOPMENT GOALS

THE WORLD WE WANT

 **SUSTAINABLE DEVELOPMENT 2015**
PUTTING STAKEHOLDERS AT THE CORE OF POST-RIO+20 PROCESSES

CONCLUSION

- The time for a strategic WFO-IFA partnership is now
- Pooling resources and knowledge networks is key
- Helping farmers feed the world with less environmental effects



Thank you!

