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

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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.

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...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
- Using slow-release fertilizer compounds to produce a gradual release of nutrients that match plant demand
- Adding nitrification inhibitors to nitrogen fertilizer to reduce potential nitrate losses
- Adding inhibitors to slow the conversion of urea fertilizer and thereby minimize potential ammonia loss to the atmosphere
- Adding soluble fertilizer to irrigation water to deliver nutrients to the root zone in a more precise and timely manner
Nutrient Stewardship and the 4Rs

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
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!