Addressing Crop Improvement

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Overview

✓ Game changing technologies
✓ Scaling up plans and constraints
✓ Nutrition linkages
✓ Research and policy priorities
Game changing technologies

- Next Generation Genomics (e.g. pigeon pea)
- More crop per drop (e.g. water saving crops)
- Climate resilient crops (e.g. sorghum, millet, rice, wheat and maize)
- Role of biotechnology (molecular breeding, transgenic research)
- Future of crop improvement (tailor-made crops, GIS-based crop design)
Scaling up plans

- Genomics and conventional breeding
- Climate resilience
- Integration of crop and weather forecasting
- Role of NARS
Constraints

- Role of research vs. NARS
- Policy environment
- Public vs. private investment
- IPRs/ Biodiversity
Nutrition Linkages

- Next generation genomics - pulses research
- Role of biotechnology - Golden rice, Harvest Plus programs
- Orphan crops or nutri-cereals
Research and Policy Priorities

- Public and private sector research
- IPRs
- Policy and regulatory set-up
- Future of crop improvement
Thank You