

Highlight of available crop technologies in Amhara region

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The technology generation process

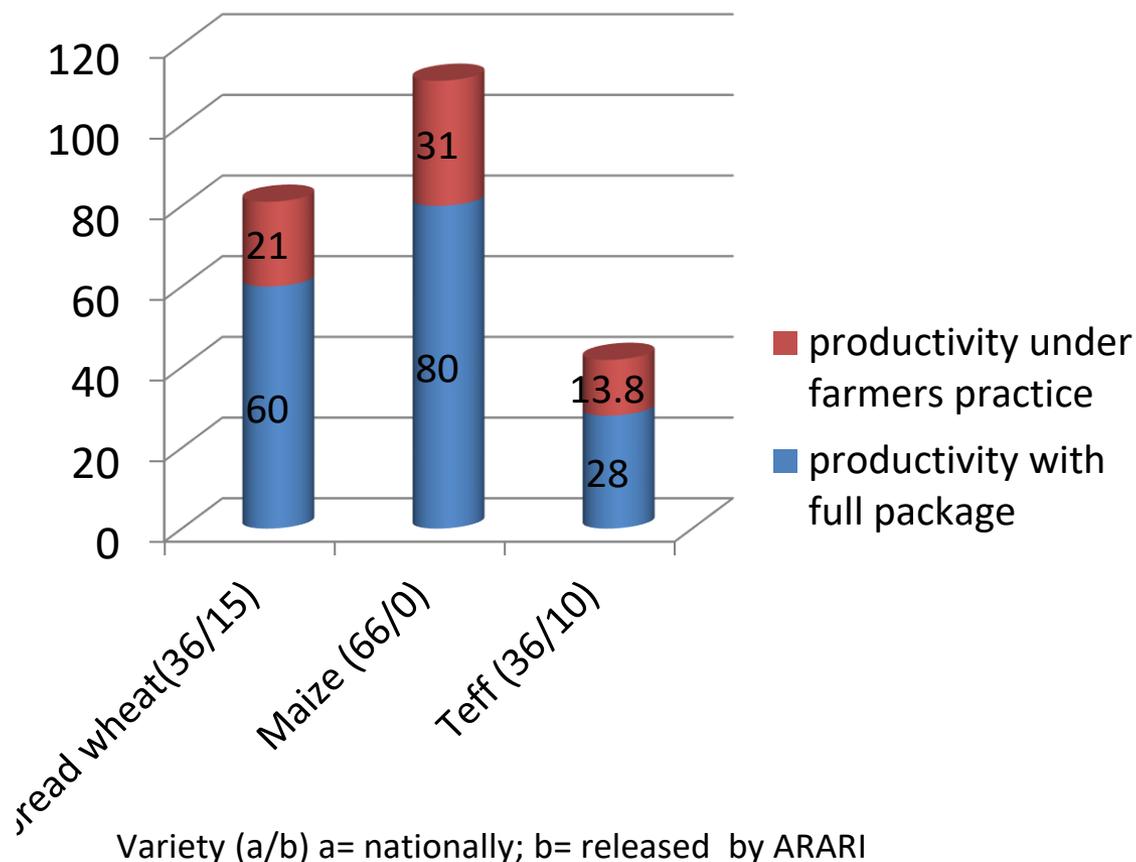
- Problem (survey, observation, demon feed back and ADPAC forum)
- Participatory research approach (PTE, PTA, PVS, PPB, FREG, FFS, joint proposal review and evaluation forum)
- Farmers feed back from technology demonstration (Onion and potato spacing)
- For industrial crops such as (Durum wheat, and malt barley) quality data is mandatory in the variety release procedure

Available crop technology and there typology

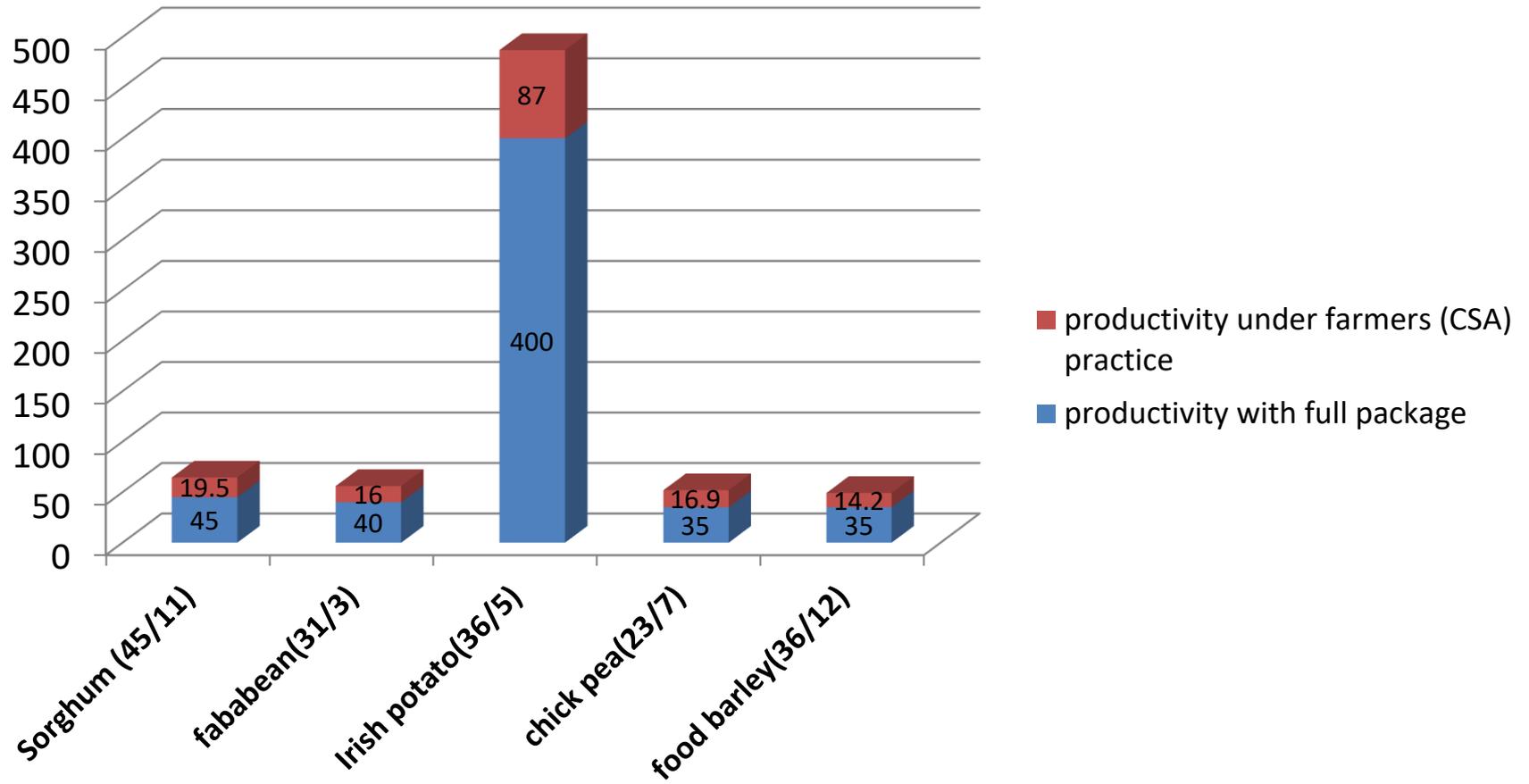
- Technologies are categorized in to different typology based on (farmers desire, food habit extension approach and market opportunities)
- 1. Technologies supported with formal seed system
- 2. Technologies with more informal seed exchange system
- 3. Technologies targeted for domestic industry and export market
- 4. Pest management technologies that requires special extension and communication approach
- 5. Technologies new to farmers food habit and culture

1. Technologies supported with formal seed system

- example (Maize, teff, wheat)
- Besides the varieties released from ARARI PVS to adapt varieties released NARC
- These technologies have better adoption compared to others
- There were strong extension support
- All agronomic technologies from land preparation to post harvest management

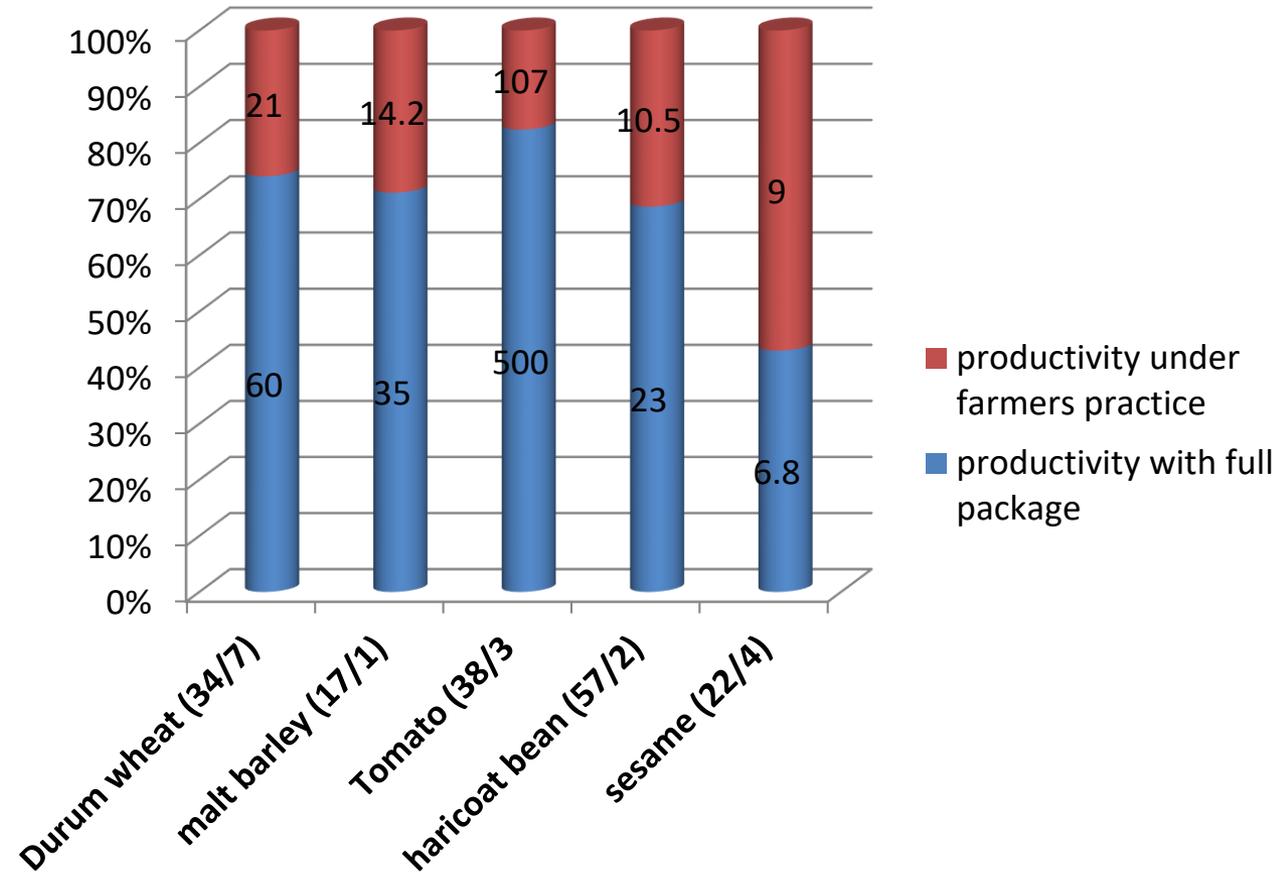


2. Technologies with more informal seed system



Technologies targeted for domestic industry and export market

- Adoption depends on market linkage
- Example durum wheat, malt barley, sesame, chickpea, tomato etc...



4. Pest management technologies

- Most of these technologies were not adopted
- The routine extension and communication approach were not successful in transfer of such technologies
- Both the extension workers and farmers have knowledge gap
- Low focus given to PMSS
- Needs special extension approach for such technologies

Some examples

- Faba bean gall and checolet spot disease management
- pepper wilt management
- IMO on Faba fean
- IDM of potato bacterial wilt
- ISM
- Intgrated post harvest loss management



Technologies new to farmers food habit and culture

- Example Cassava, sweet potato
- Amhara region high in malnutrition
- Technologies not disseminated due to farmers food habit and culture
- Both BOH, BOA and NGOs work on nutrition but it is not properly addressed and technologies not adopted
- We need extension approach targeting such challenges

Conclusion

Why technologies is not adopted

- The extension approach is one fit to all technology typologies and more biased to seed and fertilizer
- The seed system is weak
- Capacity gap at all level
- Low involvement of private sector
- Lack of strong input and credit supply
- Weak value chain and low crop price and lack of market linkage

Recommendation

- Testing different extension approach compatible to the technology nature
- Think about technology dissemination at the beginning of technology generation
- Need special technology communication strategy for those technological typology with low adoption

Thank You