



Assessing the seasonal Food Availability and enhancing cultivar diversity of faba bean and durum wheat in Ethiopia

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Planned activities

- Evaluation of farmer's selected released varieties of durum wheat and faba bean for different target environments in a participatory selection manner using crowdsourcing approach to enhance productivity and diversity
- Establishing and strengthening community-based seed system for sustainable seed production
- Assessment of grain quality of introduced varieties of durum wheat, faba bean, lentil and haricot bean
- Seasonal food availability assessment in Basona Worena, Sinana and Lemo woredas (districts)

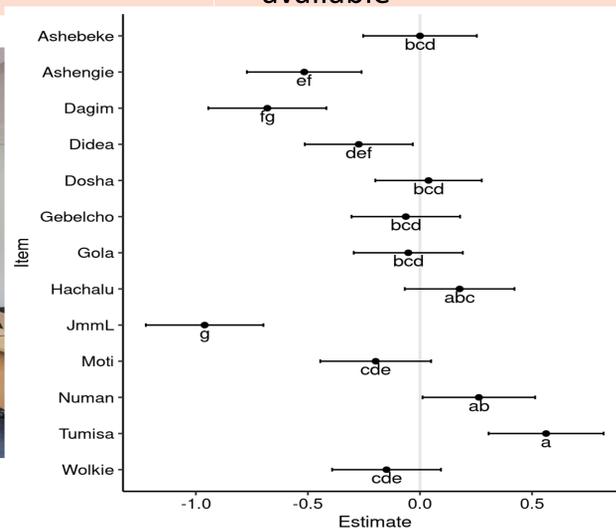
Deliverables	Progress	
	Until Nov 2021 (2020/21 cropping season)	Until May 2022 (December 2021-May 2022)
<ul style="list-style-type: none"> • Phenotypic diversity characterization and increasing genetic diversity of durum wheat and faba bean through crowdsourcing approach 	<ul style="list-style-type: none"> • Twenty durum wheat varieties were introduced in 4 villages of Oromia region (200 farmers involved). • Thirteen faba bean varieties were distributed in 8 villages of Amhara and SNNP regions and tested by 400 farmers. • Twenty enumerators and experts directly and 600 farmers through enumerators were trained about tricot principles and experiments. • Data collection was partly done 	<ul style="list-style-type: none"> • Further data collection will be done • Data analysis will be completed • Report will be available
<ul style="list-style-type: none"> • Assess the grain quality of durum wheat, faba bean, lentil and haricot bean varieties 	<ul style="list-style-type: none"> • Varieties to be tested are under production in different locations 	<ul style="list-style-type: none"> • Quality analysis will be done • Report will be available
<ul style="list-style-type: none"> • Develop community-based seed system 		<ul style="list-style-type: none"> • Best performing farmers selected varieties will be identified
<ul style="list-style-type: none"> • Seasonal food availability assessment 	<ul style="list-style-type: none"> • Assessment tools were updated • Data was collected using focus group discussion and key informant interview in Basona, Sinana and Lemo woredas 	<ul style="list-style-type: none"> • Report and seasonal calendar will be available

Key lessons

The crowdsourcing approach places farmers as the main actor for the research process and decision in a variety selection.



Crowdsourcing training in Addis Ababa (photo credit: ILRI/Apollo Habtamu).



Plackett-Luce Model estimates (log-worth) of tested items for 'disease resistance' with 84% confidence intervals. Different letters indicate significant differences at $p < 0.1$.

Core partners



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