

Oromia Regional state
Oromia Research Institute
Research Achievement News
June 13, 2022

IQQO released 14 new crop varieties in 2021/2022 season:

- Four are crop varieties from **Cereals** and 10 crop varieties from **Pulses and Oil** crops.
- The varieties were released by **Sinana, Bako, Bore and Adami Tullu** Agricultural Research Centers

Brief Summary of New Released Crop Varieties, Average Yield and Yield Advantage Over the Recent Commercial Varieties

No.	Crop	Merit Over Recently Released Standard Checks (Commercial Varieties)	Yield average (qt/ha)	Releasing Center
1	Bread wheat	48.7 and 83 % yield advantage over standard checks Hidase and Danda'a respectively. Better disease resistance specially yellow and stem rusts, quality traits, amber seed color	49.00	Bore ARC
2	Durum wheat	30.3 and 27 % yield advantage over Bullala and Ingiliz (checks) respectively, Better disease tolerance/ resistance to major wheat diseases (yellow, stem and leaf rusts), has best industrial qualities	41.00	Sinana ARC
3	Sorghum	Stable and high yielder (39 t/ha) with yield advantage of 44.4% over the standard check Bonsa. Early maturing, resistant to major sorghum diseases	39.00	Bako ARC
4	Finger millet	51.4 % yield advantage over standard check (Bako 09), resistant/tolerant to major finger millet disease, tolerant to lodging, better seed colour (brown seeded). Developed from local cross	32.00	Bako ARC
5	Linseed	It showed 16.8 and 63.6 % yield advantage over the standard checks Jitu and Dibane respectively, tolerant to major linseed diseases, stable and better adapted across locations, has higher oil content	24.80	Sinana ARC
6	Linseed	It showed 13.8 and 59.4 % yield advantage over the standard checks Jitu and Dibane respectively, tolerant to major linseed diseases, stable and better adapted across locations, has higher oil content and better seed colour which is preferred in the market	24.20	Sinana ARC
7	Faba bean	18.8 and 30.9% yield advantages over the standard checks Gebelcho and Alloshe respectively; Better disease tolerance/ resistance to major faba bean diseases (chocolate spot, <i>aschochyta</i> blight and rust), large seed size	49.60	Bore ARC
8	Common bean	15.9 and 22.0% yield advantages over the standard checks SER-119 and IBADO; better disease tolerance/ resistance to major common bean diseases (CBB, ALS and <i>anthracnose</i> , attractive seed color (red color)	29.00	Bore ARC

No.	Crop	Merit Over Recently Released Standard Checks (Commercial Varieties)	Yield average (qt/ha)	Releasing Center
9	Common bean	11.15 and 17.0% yield advantages over the standard checks SER-119 and IBADO; better disease tolerance/ resistance to major common bean diseases (CBB, ALS and <i>anthracnosis</i> , attractive seed color and shape (creamy color)	27.80	Bore ARC
10	Faba bean	14.8-25.7% yield advantages over the standard checks Shallo and mosisa respectively; Better disease tolerance/ resistance to major faba bean diseases (chocolate spot, <i>aschochyta</i> blight and rust), large seed size	33.20	Sinana ARC
11	Lentil	It showed 39.9 to 45.7% grain yield advantage over the standard checks Asano and Alemaya, tolerant to major lentil diseases, stable and better adapted across locations.	23.20	Sinana ARC
12	Cowpea (early set)	Showed 45.6% herbage yield advantage over the standard check Adulala, tolerant to major common cowpea diseases, better nutritional values (crude protein, dry matter etc), early maturing	15.60	Bako ARC
13	Cowpea (late set)	Showed 41.8% herbage yield advantage over the standard check Adulala, tolerant to major common cowpea diseases, better nutritional values (crude protein, dry matter etc)	14.30	Bako ARC
14	Snap bean	11.4 and 26.7.3% yield advantage over standard checks Plati and Contender respectively, Better disease tolerance/ resistance to major snap bean diseases (CBB, Anthracnosis, angular leaf spot etc), and has higher pod number, suitable for fresh market.	108.50	Adami Tullu ARC

*Compiled by Dr. Tesfaye Latta,
Crop Research Director
13, June, 2022*