

Farmer Partnership for Sorghum Improvement

The Collaborative Sorghum Investment Program

WHY CSIP: Partnerships are key to turn a sorghum idea into a sorghum technology. Sorghum farmers and stakeholders recognize the need for a strategic capacity to foster partnerships and goal-oriented research that enable sorghum improvement of yield, demand, and value.

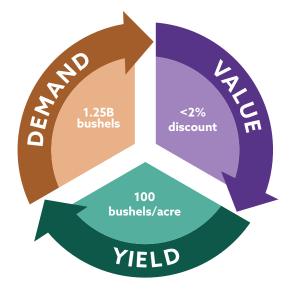
CSIP BACKGROUND:

- CSIP was established in 2016
- The Sorghum Checkoff, Kansas Grain Sorghum Commission, and K-State with support from the Kansas Department of Agriculture
- CSIP actively fosters research and development partnerships across public institutions and private companies
- The founding CSIP agreement concludes on March 31, 2025
- Farmer leaders forge a partnership renewal with \$5.8 million of leveraged match opportunity.

CSIP GOVERNANCE: CSIP is governed by a board of directors with representatives from the Sorghum Checkoff, Kansas Grain Sorghum Commission, and K-State. The board establishes programmatic priorities, invests in research, and provides oversight.



The CSIP goal is to enhance sorghum yield, demand and value.





STRAIT (Sorghum Trait) is a cornerstone program of CSIP.

STRAIT has delivered enhanced seed trait technologies available in over half of the sorghum seeds planted by farmers. This cornerstone tackles key seed trait technologies and leads a partner network of public-private seed technologists. Each year, STRAIT convenes partners to evaluate new discoveries and learn what discoveries are needed by farmers.





CSIP BOARD

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			YIELD	D, DEMAND	& VALUE				
Mentorship and sponsorship program for future sorghum scientists to attend sorghum and 3,		DropXL identifies sorghum with 8% yield increase and 3/4 inch water savings	Sorghum tolerant to HPPD herbicides identified	CSIP invests in development of commercially viable quality sorghums, protein and waxy	Markers for rapid introgression of SCA tolerance adopted by seed companies	to establi	ners with industry sh service nursery for ograms	Launch Sorghum Trait (STRAIT) Coordination Innovation Network	Launch sorghu forage researd progra
2016	2017		2018	2019	2020	2021	2022	2023	2024
Swine trial finds novel protein sorghums drive value in feed rations	Fortified sorghum flours presented to USAID as potential tool in the basket of food aid products	Sorghum is reintroduced to Midwest petfood market with demonstration and market engagement	ARS corn-sorghum NIR methodology supports continued use of sorghum by ethanol plant in the Plains	Sorghum phenolics demonstrate antibacterial activity for pathogens in cattle, mastitis and foodborne	K-State student food products sorghum for Ka of Regent food programs	with Insas Board	Sorghum seed traits advance for testing – stable height, SCA 2.0, chilling, and more!	CSIP invests in 1. Outcross mitiga strategies 2. Root Traits 3. Chinch Bug Trait	