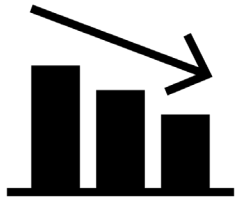


SUSTAINING THE FUTURE OF PLANT BREEDING

Plant breeding sustains life. Breeding provides diverse new plant varieties with higher yields, improved qualities, and greater resistance to diseases, pests, and environmental stresses. Advances in plant breeding are needed more than ever as the global population rises rapidly, extreme climate events occur more frequently, and the availability of land and water changes.

We need plant breeders.



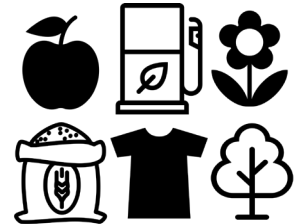
Over the past decade, investment in public plant breeding infrastructure and training has decreased.

As a result, the number of public breeding programs and plant breeders has also decreased.

Public plant breeding programs are essential for ensuring long-term, widespread benefits to society.

(Private programs focus on specific crops and traits that are valuable to certain companies over a shorter time frame.)

Public plant breeding provides many of the varieties that are used for food, textiles, biofuels, and landscapes around the world.



more than 50%
of the increase in crop production over past decades is related to plant breeding.

How Can a Committee Help Plant Breeders?



The Plant Breeding Coordinating Committee provides leadership on public plant breeding issues and opportunities.



The committee evaluates education needs and training for plant breeders to build greater capacity for plant breeding in generations to come.



The committee identifies

- research priorities
- program needs
- emerging threats

Federal agencies use this information to develop policies, grants, and programs.



The committee has set best practices for student internships in the plant breeding industry.

Internships can increase private-public collaboration and provide practical skills for future plant breeders.



In 2008, the committee established the National Association of Plant Breeders (NAPB), the first organization dedicated to plant breeders.

The NAPB enhances communication and collaboration among private and public plant breeders working with different plants.



Highly trained and motivated plant breeders with access to robust plant breeding infrastructure and the latest technology will help promote food security, healthy populations, competitive agriculture, and environmental health.

Want to know more?

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- For more on the SCC-80 project: <https://www.nimss.org/projects/view/mrp/outline/17576>
- Check out the NAPB: <https://www.plantbreeding.org/>
- To learn more about the Multistate Research Program or the Impact Writing Initiative that produced this Impact Statement, visit www.multistateresearchimpacts.org.

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