



Farm Bill Policy Statement

April 2025

Executive Summary:

The farm bill is comprehensive legislation that addresses nutrition and agriculture policy. It is typically renewed every five years. The American Heart Association (AHA) has long worked to prioritize improving food and nutrition security in the farm bill. This 2025 AHA policy statement is an update to the Association's prior statements in 2017 and 2022.

One area of particular interest and importance to the AHA is the Supplemental Nutrition Assistance Program (SNAP), which constitutes the largest funding share of any program in the farm bill. SNAP plays an important role in addressing health and hunger among families with low incomes, and the Association supports SNAP access and funding to address food insecurity and improve health.

However, unlike other federal nutrition assistance programs with nutrition standards (e.g., the National School Lunch Program or WIC), SNAP does not focus on diet quality. Consumers using SNAP can buy almost any food or beverage with their benefits. For this reason, the AHA supports policy changes to SNAP aimed at improving diet quality including increasing healthy food purchases and removing sugary drinks. More specifically, the Association reiterates in this most updated policy statement its continued support for proposals that remove sugary drinks as eligible purchases in SNAP.

The AHA also encourages robust evaluation to assess whether policies that remove sugary drinks actually reduce consumption and continues to support pilot programs in SNAP to test and evaluate approaches that incentivize fruit and vegetable purchases and removes sugary drinks

Background:

For more than 50 years, the Supplemental Nutrition Assistance Program (SNAP) – formerly known as Food Stamps – has been vital in addressing food insecurity in the United States. There is significant evidence demonstrating its impact on health, educational attainment, and economic self-sufficiency for millions of Americans struggling through underemployment and low or stagnant wages.¹ In 2023, 42.1 million people participated in SNAP monthly, serving as an essential safety net during the pandemic and economic downturn.² The majority of SNAP benefits go to households with children, older adults, or those with disabilities.³

The U.S. Department of Agriculture (USDA) sets maximum SNAP benefits for households based on the Thrifty Food Plan (TFP), which is the estimated cost to purchase groceries for a family of four. However, participants on SNAP have expressed that healthy food, especially fruits and

Farm Bill Policy Statement

vegetables, are not affordable. A recent study found that 61 percent of SNAP participants viewed the cost of healthy food as a barrier to the adequacy of SNAP benefits.⁴ In the 2018 farm bill, Congress directed the USDA to study the costs required to purchase and consume a healthy diet and as a result, the update to the TFP amounted to SNAP benefits permanently increasing by 21% as of October 1, 2021. A recent study found that these higher benefit levels will help households better afford a healthy diet including fruits and vegetables.⁵

SNAP and Food Insecurity

Food insecurity and poor nutrition remain problems for millions of American households. National data showed that the overall prevalence of food insecurity remained stable in 2020 during the COVID-19 pandemic (10.5%) compared to 2019 (10.5%) and while everyone should have access to healthy food, households with children and Black households experienced significant increases in food insecurity.⁶ The quick response of the federal government and states to increase the amount of and access to SNAP benefits is in part why food insecurity did not grow worse during the pandemic. Since then, food insecurity has increased to 13.5% in 2023.⁷ In addition, research shows that SNAP benefits are often not adequate to last a family the entire month and three-fourths of benefits are exhausted by mid-month.^{1,8} A 2016 report⁹ summarized the important role SNAP plays in addressing food insecurity. Importantly, the majority of SNAP recipients who are eligible for work do so while on the program, underscoring that many recipients are using the program to overcome underemployment or temporary job loss.¹⁰⁻¹²

“We can all agree that no one ought to go hungry in America, and SNAP is essential in protecting the most vulnerable citizens during tough times. For many, it is a vital lifeline to keeping food on the table.” *Former R-TX, K. Michael Conaway*

A bipartisan U.S. House of Representatives Committee on Agriculture report¹³ affirmed the importance of SNAP, but proposed areas of change, including: innovation and flexibility in program delivery, work requirements and SNAP employment and training programs, maintaining program integrity, and improving food access and promoting healthy food. The American Heart Association has prioritized improving food and nutrition security in the farm bill,¹⁴ with the goal of ensuring that families with low-incomes have equitable and stable availability, access, affordability, and utilization of nutritious foods and beverages.¹⁵

SNAP and Diet Quality

Diet quality has been steadily improving in the U.S. during the past two decades; however, data indicate that there is still a significant opportunity to enhance these gains, particularly among populations with varying educational and income levels.¹⁶ While there are differences in dietary outcomes between SNAP recipients and income-eligible non-participants, these insights illustrate potential areas for program enhancement. For example, data indicate that people participating in SNAP have worse diet quality than income-eligible people who are not participating in the program.¹⁷⁻²¹ Studies have shown that people participating in SNAP tend to consume more added sugars and fewer fruits and vegetables than income-eligible non-

Farm Bill Policy Statement

participants.^{19,22} This could be due to multiple factors, including time and money constraints that complicate the task of making healthy food choices.²³

Sugary drinks, such as full-calorie soda, sports drinks, lemonade, energy drinks, sweetened coffee and teas, and fruit drinks with added sugars, are the number one source of added sugars in the U.S. diet.²⁴ The AHA, along with national partners, recommends that children avoid consuming sugary drinks,^{25,26} but children consume an average of one serving per day.¹⁶ Additionally, sugary drinks are among the most purchased items by SNAP participants.^{24,27} One study found that sugary beverages accounted for approximately 12% of total daily caloric intake (258 kcal) among SNAP participants, higher than that of SNAP-eligible nonparticipants (9%, 205 kcal) and SNAP-ineligible nonparticipants (6%, 153 kcal).²⁸ In both SNAP and SNAP-eligible households, more money is spent on sugary beverages than any other food commodity.^{27,29}

These findings demonstrate a need to refine SNAP's approach to nutrition, much like other federal nutrition assistance programs, including the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC), the National School Lunch Program (NSLP), or the Child and Adult Care Food Program (CACFP), which have nutrition standards for foods and beverages that can be served or purchased. Consumers using SNAP can buy almost any food or beverage with their benefits. Taxpayers bear the economic costs of unhealthy foods and beverages and associated subsequent health care costs that are a result of diet-related chronic disease.

There is growing public discussion and support for modifying SNAP criteria to improve diet quality.^{30,31}

Public Support for Addressing Diet Quality in SNAP

- In qualitative research by Long et al., 82 percent of survey respondents support providing additional benefits to program participants that can be used to purchase only healthful foods.
- A majority of SNAP participants support removing SNAP benefits for sugary drinks.
- Of the 46 percent of SNAP participants who initially oppose removing sugary drinks, 45 percent support removing SNAP benefits for sugary drinks if the policy also includes additional benefits to purchase healthful foods.

Some experts have urged the USDA to pilot SNAP purchasing restrictions to support a healthier dietary pattern. Some states and large municipalities have applied or are applying for waivers to disallow sugary drinks or foods with little or no nutritional value. Until recently, the USDA has rejected these applications saying this differentiation would be too difficult to implement in retail environments.

Several studies, including the Healthy Incentives Pilot Program described below, have demonstrated that it is very feasible to implement incentives, restrictions, or a combined incentives and disincentive approach within the program.³² The federal government spends millions of dollars each year on the purchase of sugary drinks and other unhealthy foods that

Farm Bill Policy Statement

contribute to poor health outcomes and result in higher health care expenditures and diminished quality of life.^{31,33}

Evidence shows that removing sugary drinks from SNAP may improve diet quality:

- Data from modeling studies show that removing sugary drink purchases in SNAP could significantly reduce consumption and future cardiovascular disease events.^{34,35}
- Data from a review of randomized trials and modeling studies show that removing sugary drinks from SNAP could reduce consumption and purchases of these beverages.³⁶
- Improving the nutritional quality of foods in SNAP could lead to improvements in diet quality for all people in the U.S. due to the influence SNAP has in determining what is marketed and sold in the retail environment.

Evidence from modeling studies shows that removing sugary drink purchases in SNAP could significantly reduce consumption and negative health consequences. For example, one study estimated that prohibiting sugary drink purchases using SNAP benefits could reduce daily sugary drink consumption by 112.5 g/person, approximately 4 fluid ounces (about one-third of a soda can), among children.³⁴ Another study estimated that removing sugary drinks, combined with incentives for fruits and vegetables, could prevent 797,900 cardiovascular disease events, gain 2.11 million quality-adjusted life years (QALY), and save \$39.16 billion in lifetime healthcare costs.^{34,37} One QALY represents one year in perfect health and is an economic measure that captures the value of investment for quality and quantity of life lived. A recent review of seven studies (four randomized controlled trials and three modeling studies) concluded that restricting sugary drinks from SNAP was associated with a decrease in the consumption and purchase of these beverages in all studies.³⁶ In one randomized controlled trial, spending on sugary drinks was significantly lower in the restriction (\$2.66/week) and restriction paired with incentive (\$2.06/week) conditions, compared with neither (\$4.44/week).³⁸

Improving the nutritional quality of foods in SNAP could lead to improvements in diet quality for all people in the U.S. due to the influence SNAP has in determining what is marketed and sold in the retail environment. Continued research and robust evaluation is needed to assess the impact of policies to improve diet quality in SNAP. This includes evaluating the health of SNAP participants and participation in the program.

Current or past programs addressing diet quality in SNAP

*Healthy Incentives Pilot (HIP) Program*³²

The Food, Nutrition, and Conservation Act of 2008 authorized \$20 million for pilot projects to evaluate health and nutrition promotion in SNAP to determine if incentives provided to SNAP recipients and point-of-sale increased the purchase of fruits and vegetables. Under HIP, 7,500

Farm Bill Policy Statement

households in Hamden County, Massachusetts were randomly selected to receive a financial incentive for purchasing fruits and vegetables, while the remaining 47,595 households continued to receive SNAP benefits as usual. Overall, HIP participants purchased and consumed more fruits and vegetables. Retailers found the program easy to administer and they increased shelf space or display for fruits and vegetables in store. Specific results were:

- HIP participants (respondents 16 and older) consumed almost a quarter of a cup (26 percent) more targeted fruits and vegetables per day than did nonparticipants.
- HIP households spent more SNAP benefits on targeted fruits and vegetables than non-HIP households in participating supermarkets and superstores – \$12.05 versus \$10.86 on average each month – an increase of \$1.19 or 11 percent.
- HIP survey respondents reported spending \$78.17 each month on all fruits and vegetables, \$6.15 more than non-HIP households. This includes spending with Electronic Benefits Transfer (EBT) and other forms of payment in both participating and nonparticipating retailers.
- Two-thirds of HIP households said they bought larger amounts and a greater variety of fruits and vegetables because of HIP.
- Three-quarters of HIP households felt that fruits and vegetables had become more affordable due to HIP.
- HIP participants were more likely to have fruits and vegetables available at home during the pilot.
- Awareness and understanding of HIP increased over time.
- Most retailers did not find HIP difficult to operate. More than 90 percent of participating retailers reported no change in check-out time, and only 15 percent indicated that HIP purchases were hard to process.
- More than half of participating grocery stores received more shipments from a supplier, increased the frequency of restocking the display floor or increased shelf space for fruits and vegetables.
- Participating retailers without integrated electronic cash registers were more likely to report negative effects on store operations.
- Total costs for implementing HIP, including the \$263,043 in incentives earned by HIP participants, were \$4.4 million. The largest share of costs (55 percent) was incurred for system design, development and testing for EBT and retailer systems changes, which are largely one-time costs.
- The estimated total cost for implementing HIP nationwide is approximately \$90 million over five years, including costs for modifying EBT and retailer systems and state agency costs.

Estimates for annual incentive costs range from \$825 million to \$4.5 billion, depending on assumptions about retailer participation and fruit and vegetable spending. Forthcoming modeling studies will estimate the health care cost savings of implementing nutrition standards for SNAP.

Food Insecurity Nutrition Incentives (FINI)

Farm Bill Policy Statement

Building on the success of HIP, the Agriculture Act of 2014 authorized the USDA to provide Food Insecurity Nutrition Incentives (FINI) grants to eligible organizations to design and implement projects to increase produce purchases among consumers with low incomes participating in SNAP by providing incentives at point of purchase. A 2019 report from USDA's Food and Nutrition Service evaluated FINI and found that the program increased fruit and vegetable sales and consumption in SNAP participants.³⁹

The Gus Schumacher Nutrition Incentive Program (GusNIP, formerly known as FINI)

The Agricultural Improvement Act of 2018 expanded FINI and renamed it the Gus Schumacher Nutrition Incentive Program (GusNIP). Known as the farm bill, the 2018 legislation authorized \$250 million over five years to conduct and evaluate nutrition incentive and produce prescription programs to income-eligible consumers participating in SNAP at the point of sale. Of the \$250 million, \$30 million is awarded annually to state and local organization implementing nutrition incentive programs, while up to \$25 million over the 5 years is allotted to produce prescription programs. A fruit and vegetable prescription pilot was also included under GusNIP.

An evaluation of the second year of GusNIP shows that the program has been successful in increasing produce consumption among participants.⁴⁰

- Participants purchased more than \$20 million in fruits and vegetables at their local food retailers in Year 2.
- Nearly 75 percent of GusNIP funds were used directly for incentives (up from 68.5 percent in Year 1) and the number of locations offering incentives and reporting data increased to 1,876 retailers in Year 2, compared to 588 retailers in Year 1.
- An economic impact of \$41 million across 47 grantees was generated from incentive spending at local food retail outlets in Year 2, up from \$8 million in Year 1.
- Nutrition incentive participants reported eating more fruits and vegetables (1.72 cups/day and 1.08 cups/day, respectively) than the average adult in the U.S. (1.57 cups/day and 0.96 cups/day, respectively).
- Produce prescription participants saw an increase in fruit and vegetable intake from baseline (2.21 cups/day) to post-project (2.49 cups/day).
- Produce prescription participants experienced improvements in food security status from baseline to post-project.

Nutrition Education (SNAP-Ed)

The Healthy Hunger-Free Kids Act of 2010 funds the Supplemental Nutrition Assistance Program Education (SNAP-Ed). SNAP-Ed addresses nutrition education, physical activity, and obesity prevention, and aims to increase the likelihood that SNAP-Ed household will make healthy diet and physical activity choices with a limited budget. A 2016 evaluation framework outlined 51 key indicators across four levels – individual, environmental supports, sectors of influence, and population results – that could be used to consistently evaluate the effectiveness of the program.⁴¹ Studies looking at the intent of state implementing agencies

Farm Bill Policy Statement

(SIAs) to use and evaluate the indicators found that most SIAs reported their intent to impact short and medium-term indicators, the individual and environmental levels, compared with longer-term indicators, sectors of influence and population level.^{42,43}

Sustainability in the Farm Bill

Sustainability and the food system

Current American dietary patterns are characterized by high consumption of red meat, processed foods, added sugars, and unhealthy fats, and inadequate intake of whole grains, fruits, and vegetables. Only one in ten adults in the U.S. consume enough fruits and vegetables on a given day⁴⁴ and current dietary trends have contributed to more than 40 percent of adults living with obesity.⁴⁵

In recent years, more efforts have been made to shift from current dietary patterns to more sustainable dietary patterns. The Food and Agriculture Organization (FAO) defines sustainable diets as those “having low environmental impact and contributing to food and nutrition security and healthy life for present and future generations.”⁴⁶ Current dietary patterns do not align with this definition and have a significant impact on the health and well-being of the population as well as the natural resources that are used to produce food. The production and consumption of food are some of the main drivers of environmental degradation, threatening the future availability of natural resources like land, healthy soil, and clean water. Foods in the U.S. are produced in a way that relies heavily on nonrenewable inputs and unsustainable practices. The production of ultra-processed foods and beverages as well as meat and dairy are responsible for the uptake in GHG emissions such as carbon dioxide (CO₂), with agriculture account for 10 percent of all GHG emissions in the U.S.⁴⁷ and 24 percent of GHG emissions globally.⁴⁸ If these trends continue, GHG emissions associated with food production will double by 2050.⁴⁹ These emissions contribute to climate change which threatens the availability of a healthy food supply in the future and puts healthy diets further out of reach for most.

Much of the current literature around sustainable diets and food systems supports reducing consumption of certain foods (i.e. animal proteins) and increasing consumption of healthier, more plant-based diet rich in fruits and vegetables which may reduce GHG emissions by as much as 56 percent.⁵⁰⁻⁵² While ideal, shifting to a plant-based diet may not be possible or realistic for most people. To have the lowest environmental impact, there should not only be a shift to more sustainable, nutritious diets but food should also be produced, packaged, and transported to consumer with the lowest environmental impact. To promote a sustainable and healthy food system, considerable investments need to be made across the food system, from production to consumption.

While the U.S. has acknowledged the need to address sustainability within food systems, they have yet to incorporate these principles into the nation’s food and nutrition policies. For example, the 2020-2025 Dietary Guidelines for Americans (DGA) advisory committee

Farm Bill Policy Statement

recognized sustainability as an important part of maintaining a healthy diet but the guidelines make no mention of environmental sustainability.²⁴ Likewise, the Conservation Stewardship Program (CSP), which supports diversification of agricultural practices, is included in the 2018 farm bill; however, funding for the program has seen cuts of \$3.6 billion over ten years. Recently, the U.S. launched the Sustainable Productivity Growth for Food Security and Resource Conservation (SPG) Coalition, an initiative aiming to boost sustainable agricultural production, make farms more resilient to climate change, and ensure vulnerable populations have access to safe, affordable and health food, indicating a desire to invest in strengthening food systems and ensuring access to healthy diets for all. The coalition has yet to announce concrete plans to move this initiative forward. To effectively address sustainability across the food system, the U.S. needs to provide significant investment and support to new and existing policies and programs that incorporate sustainable agricultural practices across the food system and ensure access to healthy, affordable food for all.

Food Loss and Waste

The sustainability of diets is influenced both by foods comprising the diet and the ways foods are produced, including levels of loss and waste across the food supply chain. The USDA defines food loss as the edible amount of food, postharvest, that is available for human consumption but is not consumed for any reason.⁵³ Food waste is defined as losses of food that occur across the food supply chain, especially at the retail and consumption stages, and is linked to consumer and retailer behavior.⁵⁴ Food loss and waste can occur at any stage of the production and supply chain. The average American wastes about one pound of food every day⁵⁵, with up to 40 percent of the U.S. food supply being lost or wasted every year.⁵⁶ The estimated 60 million tons of food wasted in the U.S. is worth \$200 billion.⁵⁷⁻⁵⁹ When food is wasted, all the natural resources used to grow the food - like pesticides, fertilizers, irrigation water, and energy in the form of transportation is wasted as well. The environmental impact of food wasted is staggering, contributing to environmental issues such as increased GHG emissions, water pollution, soil erosion, and biodiversity loss.

Food waste and loss is particularly concerning given the amount of people who do not have access to healthy, affordable food. More than ten percent, or 38.3 million, of U.S. households are food insecure, with higher rates seen among lower-income households with children and Black households.⁶ The amount of food wasted annually could feed millions of Americans and help lift them out of food and nutrition insecurity. Interventions to reduce or redistribute food waste have the potential to address food sustainability, access to food, improve food security, and diet quality.

USDA, along with the U.S. Environmental Protection Agency (EPA), joined forces in 2015 to set a goal to reduce the nation's food waste by 50 percent by 2030. As part of the plan to reduce national food waste and loss, USDA, EPA, and the U.S. Food and Drug Administration (FDA) launched the Winning on Reducing Food Waste Initiative in which they affirmed their commitment to meeting the 2030 goal and agreed to coordinate food waste and loss actions across the different agencies.⁶⁰ The initiative does not specify plans to achieve the 50 percent

Farm Bill Policy Statement

reduction nor are they accompanied by plans to assess environmental impact. To ensure food loss and waste are addressed across the food supply chain, more research should be conducted to identify the most effective, sustainable strategies to reduce food loss and waste and additional funding should be provided to ensure the national goal is reached by 2030.

Nutrient Decline in Foods

A healthy, resilient food system relies on both climate and soil to produce nutrients and the foods we need to maintain health. Over the past several decades, the nutritional levels in fruit, vegetables, and grains have declined significantly. A significant proportion of the American population are currently deficient in one or more essential dietary nutrients.^{24,61} It is estimated by 2050, an additional 175 million people globally will be deficient in zinc and 122 million more will not meet the daily recommendation for protein in their diets.⁶² Micronutrient deficiencies are a major contributor to developing infections and are associated with an increased risk for chronic diseases, including cardiovascular disease.⁶³ Several factors contribute to micronutrient deficiencies including current dietary patterns, consisting of diets low in fruits, vegetables, and whole grains⁴⁴, and declining nutrient density of staple crops as a result of climate change and current agricultural practices.

Topsoil erosion, land management practices, and unsustainable agricultural practices may all contribute to the nutrient decline of staple crops. Crops grown using pesticides and chemical fertilizers impact soil health, resulting in lower mineral uptake. Unsustainable agricultural practices and topsoil erosion can damage plants' ability to absorb carbon dioxide (CO₂) from the atmosphere and lock it into the soil. When soil is degraded, CO₂ is released back into the atmosphere resulting in compromised plant growth and nutrient degradation. Climate change and rising levels of GHG emissions and CO₂ affect crops by reducing plant growth and reducing the level and availability of nutrients (e.g., zinc, iron, and protein) in crops. Research suggests that increasing levels of CO₂ in the atmosphere may affect the availability of nutrients in soil and decreases nutrient uptake, especially nitrogen and other mineral concentrations, in crops.^{62,64,65} A 2017 review found that elevated CO₂ levels potentially result in three-11 percent decrease of zinc and iron in grains and legumes.⁶⁶ Similarly, a meta-analysis found that increasing levels of CO₂ decreases protein levels in rice, barley, wheat, and potato crops by ten-15 percent.⁶⁷

No policies or programs currently exist in the U.S. to address nutrient decline of staple crops. In the upcoming 2023 farm bill, there is an opportunity to invest in and support policies and programs to increase sustainable agricultural practices and reduce the risk of nutrient decline in staple crops.

Policy Recommendations for the Farm Bill

The farm bill is a comprehensive multi-year bill that addresses agricultural and nutrition policy issues. It is typically renewed every five years. The cost of nutrition programs are about four-fifths of the total cost of the legislation and include SNAP and other programs. SNAP

Farm Bill Policy Statement

itself has an annual cost of approximately \$74 billion.⁶⁸ Congress needs to invest in policies that will improve the nutritional quality of food, diet quality, and ultimately health of all.

SNAP:

One of the biggest goals for the farm bill should be protecting funding for and access to SNAP, while at the same time addressing diet quality. The primary goal should be optimizing federal spending to provide healthy food and beverage access to participants. Specifically, the Association will advocate to:

- Preserve, protect, and provide increases in SNAP benefits to align with the low-cost food plan and ensure adequate benefit levels.
- Support policy changes to SNAP aimed at improving diet quality. This includes increasing healthy food purchases and removing sugary drinks.
- Support proposals that remove sugary drinks as eligible purchases in SNAP.
- Support robust evaluation to assess whether policies that remove sugary drinks reduce consumption.
- Continue to support pilot programs in SNAP to test and evaluate approaches that incentivize fruit and vegetable purchases, remove sugary drinks, or a combination of the two, with accompanying evaluation to assess the effects on consumer purchasing, healthy food and beverage consumption, and retailer implementation.
- Increase funding for SNAP-Ed and continue support of innovative nutrition education.
- Increase funding for and expanding the SNAP online purchasing program.

GusNIP:

The 2014 and 2018 farm bill have helped establish a framework to test, improve, and fund nutrition incentive programs nationwide. Since its inception, the structure of GusNIP has contributed to a system where state and local communities with well-established organizations have been able to access significant funding, while excluding the most vulnerable populations. Opportunities exist within GusNIP to make the program more equitable and increase fruit and vegetable access and intake within the most vulnerable populations. The association will advocate for:

- Expanding baseline funding to further test the GusNIP program design and capitalize on current and future investments into organizational capacity.
- Exploring options to decrease the burden on organizations that administer GusNIP by eliminating the requirement that they match dollar-for-dollar federal funds, reducing the match requirement for a maximum of 10 percent, or take into consideration using other federal sources of funding.
- Requiring improvements to the application process and expanded technical assistance resources to improve program access and equity.
- Developing a new mechanism for funding successful programs as they scale state or region wide.

Sustainability:

Farm Bill Policy Statement

Effective incentives and enforcement policies need to be enacted to support the entire food chain – from farmers to consumers – and in doing so, could ensure the availability of healthy and sustainable food choices, which will be necessary to attain food and nutrition security for current and future generations. The association will advocate for:

- Leverage agricultural commodity subsidies to support cultivation of diverse, nutritious food that promotes healthier and more sustainable production and consumption
- Increasing funding for existing programs that focus on sustainability and health.
- Developing and supporting a food redistribution program to decrease food loss and waste.
- Including policies and programs, such as incentives, that focus on conservation and to expand and strengthen sustainable, biodiversity-friendly agricultural practices.

Farm Bill Policy Statement

References

1. Executive Office of the President of the United States. Long-term benefits of the Supplemental Nutrition Assistance Program. 2015.
2. U.S. Department of Agriculture, Economic Research Service. Supplemental Nutrition Assistance Program (SNAP) - Key Statistics and Research. [https://www.ers.usda.gov/topics/food-nutrition-assistance/supplemental-nutrition-assistance-program-snap/key-statistics-and-research#:~:text=The%20Supplemental%20Nutrition%20Assistance%20Program,fiscal%20year%20\(FY\)%202023.&text=Download%20chart%20data%20in%20Excel,42.1%20million%20participants%20per%20month](https://www.ers.usda.gov/topics/food-nutrition-assistance/supplemental-nutrition-assistance-program-snap/key-statistics-and-research#:~:text=The%20Supplemental%20Nutrition%20Assistance%20Program,fiscal%20year%20(FY)%202023.&text=Download%20chart%20data%20in%20Excel,42.1%20million%20participants%20per%20month). 2025. Accessed March 31, 2025.
3. Cronquist K. Characteristics of Supplemental Nutrition Assistance Program Households: Fiscal Year 2019. Alexandria, VA: USDA, Food and Nutrition Service; 2021.
4. Gearing M, Dixit-Joshi S, May L. Barriers That Constrain the Adequacy of Supplemental Nutrition Assistance Program (SNAP) Allotments: Survey Findings. Alexandria, VA: USDA, Food and Nutrition Service; 2021.
5. Young SK, Stewart H. U.S. Fruit and Vegetable Affordability on the Thrifty Food Plan Depends on Purchasing Power and Safety Net Supports. *Int J Environ Res Public Health*. 2022;19:2772. doi: 10.3390/ijerph19052772.
6. Coleman-Jensen A, Rabbitt MP, Gregory CA, Singh A. Household Food Security in the United States in 2020. In: *Economic Research Report No. (ERR-298) 55 pp*. <https://www.ers.usda.gov/publications/pub-details/?pubid=102075>: U.S. Department of Agriculture, Economic Research Service; 2021.
7. U.S. Department of Agriculture ERS. Food Security in the U.S. - Key Statistics & Graphics. [https://www.ers.usda.gov/topics/food-nutrition-assistance/food-security-in-the-us/key-statistics-graphics#:~:text=13.5%20percent%20\(18.0%20million\)%20of,\(17.0%20million\)%20in%202022](https://www.ers.usda.gov/topics/food-nutrition-assistance/food-security-in-the-us/key-statistics-graphics#:~:text=13.5%20percent%20(18.0%20million)%20of,(17.0%20million)%20in%202022). 2025. Accessed March 31, 2025.
8. Castner L, Wakar B, Wroblewska K, Trippe C, Cole N. Benefit Redemption Patterns in the Supplemental Nutrition Assistance Program in Fiscal Year 2017. Alexandria, VA: Insight Policy Research 2020.
9. Food Research & Action Center. SNAP Over-the-Year Participation Dropped By More Than 2 Million People in July 2016. Washington, DC: Food Research & Action Center; 2016.
10. Rosenbaum D. The Relationship Between SNAP and Work Among Low-Income Households. Washington, DC: Center on Budget and Policy Priorities; 2013.
11. Molitor F, Doerr C, Kehl S. Unemployment, SNAP Enrollment, and Food Insecurity Before and After California's COVID-19 Shutdown. *J Nutr Educ Behav*. 2021;53:1055-1059. doi: 10.1016/j.jneb.2021.09.001.
12. Saloner B, Gollust SE, Planalp C, Blewett LA. Access and enrollment in safety net programs in the wake of COVID-19: A national cross-sectional survey. *PLoS One*. 2020;15:e0240080. doi: 10.1371/journal.pone.0240080.
13. Past, Present, and Future of SNAP. Chairman KM Conaway; 2016.
14. American Heart Association. Farm Bill Policy and the Supplemental Nutrition Assistance Program (SNAP); Policy Statement. In; 2017.
15. Thorndike AN, Gardner CD, Kendrick KB, Seligman HK, Yaroch AL, Gomes AV, Ivy KN, Scarmo S, Cotwright CJ, Schwartz MB. Strengthening US Food Policies and Programs to Promote Equity in Nutrition Security: A Policy Statement From the American Heart Association. *Circulation*. 2022;145. doi: 10.1161/CIR.0000000000001072.
16. Martin SS, Aday AW, Allen NB, Almarzooq ZI, Anderson CAM, Arora P, Avery CL, Baker-Smith CM, Bansal N, Beaton AZ, et al. 2025 Heart Disease and Stroke Statistics: A Report of US and Global Data From the American Heart Association. *Circulation*. 2025;151:e41-e660. doi: 10.1161/cir.0000000000001303.

Farm Bill Policy Statement

17. Pomeranz JL, Chiqui JF. The Supplemental Nutrition Assistance Program: Analysis of Program Administration and Food Law Definitions. *Am J Prev Med.* 2015;49:428-436. doi: 10.1016/j.amepre.2015.02.027.
18. Andreyeva T, Tripp AS, Schwartz MB. Dietary Quality of Americans by Supplemental Nutrition Assistance Program Participation Status: A Systematic Review. *Am J Prev Med.* 2015;49:594-604. doi: 10.1016/j.amepre.2015.04.035.
19. Gleason S, Hansen D, Wakar B. Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: SNAP Report Alexandria, VA: U.S. Department of Agriculture; 2021.
20. Whiteman ED, Chrisinger BW, Hillier A. Diet Quality Over the Monthly Supplemental Nutrition Assistance Program Cycle. *Am J Prev Med.* 2018;55:205-212. doi: 10.1016/j.amepre.2018.04.027.
21. Zhang FF, Liu J, Rehm CD, Wilde P, Mande JR. Trends and Disparities in Diet Quality Among US Adults by Supplemental Nutrition Assistance Program Participation Status. *JAMA Netw Open.* 2018;1:e180237. doi: 10.1001/jamanetworkopen.2018.0237.
22. Leung CW, Ding EL, Catalano PJ, Villamor E, Rimm EB, Willett WC. Dietary intake and dietary quality of low-income adults in the Supplemental Nutrition Assistance Program. *Am J Clin Nutr.* 2012;96:977-988. doi: 10.3945/ajcn.112.040014
23. Mancino L, Guthrie J. SNAP Households Must Balance Multiple Priorities To Achieve a Healthful Diet. U.S. Department of Agriculture; Economic Research Service. <https://www.ers.usda.gov/amber-waves/2014/november/snap-households-must-balance-multiple-priorities-to-achieve-a-healthful-diet>. 2014. Accessed April 21, 2025.
24. U.S. Department of Health and Human Services, U.S. Department of Agriculture. Dietary Guidelines for Americans, 2020-2025. www.dietaryguidelines.gov: 2020.
25. Healthy Eating Research. Healthy Beverage Consumption in Early Childhood: Recommendations from Key National Health and Nutrition Organizations. Technical Scientific Report. Durham, NC; 2019.
26. Healthy Eating Research. Healthy Beverage Consumption in School-Age Children and Adolescents: Recommendations from Key National Health and Nutrition Organizations. Technical Scientific Report. Durham, NC; 2025.
27. Garasky S, Mbwana K, Romualdo A, Tenaglio A, Roy M. Foods Typically Purchased by SNAP Households. USDA, Food and Nutrition Service; 2016.
28. Nguyen BT, Powell LW. Supplemental nutrition assistance program participation and sugar-sweetened beverage consumption, overall and by source. *Prev Med.* 2015;82-86. doi: 10.1016/j.yjmed.2015.08.003.
29. Park J, Lin H-C, Peng C-Y. The Supplemental Nutrition Assistance Program and frequency of sugar-sweetened soft drink consumption among low-income adults in the US. *Nutr Health.* 2017;23:147-157. doi: 10.1177/0260106017726248.
30. Blumenthal SJ, Hoffnagle EE, Leung CW, Lofink H, Jensen HH, Foerster SB, Cheung LW, Nestle M, Willett WC. Strategies to improve the dietary quality of Supplemental Nutrition Assistance Program (SNAP) beneficiaries: an assessment of stakeholder opinions. *Public Health Nutr.* 2013;17:2824-2833. doi: 10.1017/S1368980013002942.
31. Long M, Leung C, Cheung L, Blumenthal S, Willet W. Public support for policies to improve the nutritional impact of the Supplemental Nutrition Assistance Program (SNAP). *Public Health Nutr.* 2014;17:219-224.
32. U.S. Department of Agriculture; Food and Nutrition Service; Office of Policy Support. Evaluation of the Healthy Incentives Pilot (HIP) Final Report In: Washington, DC: U.S. Department of Agriculture; 2014.
33. Barnhill A. Impact and Ethics of Excluding Sweetened Beverages From the SNAP Program. *Am J Public Health.* 2011;101:2037-2043. doi: 10.2105/AJPH.2011.300225.

Farm Bill Policy Statement

34. Choi SE, Wright DR, Bleich SN. Impact of Restricting Sugar-Sweetened Beverages From the Supplemental Nutrition Assistance Program on Children's Health. *Am J Prev Med*. 2021;60:276-284. doi: 10.1016/j.amepre.2020.08.023.
35. Mozaffarian D, Liu J, Sy S, Huang Y, Rehm C, Lee Y, Wilde P, Abrahams-Gessel S, de Souza Veiga Jardim T, Gaziano T, et al. Cost-effectiveness of financial incentives and disincentives for improving food purchases and health through the US Supplemental Nutrition Assistance Program (SNAP): A microsimulation study. *PLoS Med*. 2018;15:e1002661. doi: 10.1371/journal.pmed.1002661.
36. Alba C, Wang X, An R. Are Supplemental Nutrition Assistance Program Restrictions on Sugar-Sweetened Beverages Effective in Reducing Purchase or Consumption? A Systematic Review. *Nutrients*. 2024;16. doi: 10.3390/nu16101459.
37. Mozaffarian D, Liu J, Sy S, Huang Y, Rehm C, Lee Y, Wilde P, Abrahams-Gessel S, Jardim TdSV, Gaziano T, et al. Cost-effectiveness of financial incentives and disincentives for improving food purchases and health through the US Supplemental Nutrition Assistance Program (SNAP): A microsimulation study. *PLoS Med*. 2018;15:e1002661. doi: 10.1371/journal.pmed.1002661.
38. Harnack LJ, Oakes JM, Elbel B, Rydell SA, Lasswell TA, Mitchell NR, Valluri S, French SA. Effects of Inclusion of Food Purchase Restrictions and Incentives in a Food Benefit Program on Diet Quality and Food Purchasing: Results From a Randomized Trial. *J Acad Nutr Diet*. 2024;124:569-582.e563. doi: 10.1016/j.jand.2023.11.024.
39. Vericker T, Dixit-Joshi S, Taylor J, Green L, Gearing M, Baier K, Lee H, Trundle K, Manglitz C, May L. The Evaluation of Food Insecurity Nutrition Incentives (FINI): Interim Report. Alexandria, VA: USDA, Food and Nutrition Service; 2019.
40. Gretchen Swanson Center for Nutrition. Gus Schumacher Nutrition Incentive Program Training, Technical Assistance, Evaluation, and Information Center (GUSNIP NTAE): Summary of Impact Findings - Year 1: September 1, 2019 to August 31, 2020. In: Gretchen Swanson Center for Nutrition; 2021.
41. U.S. Department of Agriculture. The Supplemental Nutrition Assistance Program Education (SNAP-ED) Evaluation Framework. Nutrition, Physical Activity, and Obesity Prevention Indicators. In: *Interpretive Guide*. 2016..
42. Puma JE, Young M, Foerster S, Keller K, Bruno P, Franck K, Naja-Riese A. The SNAP-Ed Evaluation Framework: Nationwide Uptake and Implications for Nutrition Education Practice, Policy, and Research. *J Nutr Educ Behav*. 2021;53:336-342. doi: 10.1016/j.jneb.2020.10.015.
43. Naja-Riese A, Keller KJM, Bruno P, Foerster SB, Puma J, Whetstone L, MKNelly B, Cullinen K, Jacobs L, Sugerman S. The SNAP-Ed Evaluation Framework: demonstrating the impact of a national framework for obesity prevention in low-income populations. *Translational Behavioral Medicine*. 2019;9:970-979. doi: 10.1093/tbm/ibz115.
44. Lee SH, Moore LV, Park S, Harris DM, Blanck HM. Adults Meeting Fruit and Vegetable Intake Recommendations - United States, 2019. *MMWR Morb Mortal Wkly Rep*. 2022;71:1-9. doi: 10.15585/mmwr.mm7101a1.
45. Virani SS, Alonso A, Aparicio HJ, Benjamin EJ, Bittencourt MS, Callaway CW, Carson AP, Chamberlain AM, Cheng S, Delling FN, et al. Heart Disease and Stroke Statistics-2021 Update: A Report from the American Heart Association. *Circulation*. 2021;143:e254-e743. doi: 10.1161/cir.0000000000000950.
46. Food and Agriculture Organization, World Health Organization. Sustainable healthy diets - guiding principles. Rome, Italy; 2019:1 - 44.
47. United States Environmental Protection Agency. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019. Washington, DC: United States Environmental Protection Agency; 2021.
48. IPCC. Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge, UK and New York, NY; 2014.

Farm Bill Policy Statement

49. Tilman D, Clark M. Global diets link environmental sustainability and human health. *Nutrients*. 2014;515:18-22. doi: 10.1038/nature13959.
50. Willett W, Rockström J, Loken B, Springmann M, Lang T, Vermeulen S, Garnett T, Tilman D, DeClerck F, Wood A, et al. Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. *Lancet (London, England)*. 2019;393:447-492. doi: 10.1016/s0140-6736(18)31788-4.
51. Nelson ME, Hamm MW, Hu FB, Abrams SA, Griffin TS. Alignment of Healthy Dietary Patterns and Environmental Sustainability: A Systematic Review. *Advances in Nutrition (Bethesda, Md)*. 2016;7:1005-1025. doi: 10.3945/an.116.012567.
52. Springmann M, Clark M, Mason-D'Croz D, Wiebe K, Bodirsky BL, Lassaletta L, Vries Wd, Vermeulen SJ, Herrero M, Carlson KM, et al. Options for keeping the food system within environmental limits. *Nature*. 2018;562:519-525. doi: 10.1038/s41586-018-0594-0.
53. U.S. Department of Agriculture; Economic Research Service. Food Loss. <https://www.ers.usda.gov/data-products/food-availability-per-capita-data-system/food-loss/>. 2020. Accessed April 22.
54. Gustavsson J, Cederberg C, Sonesson U, Otterdijk Rv, Meybeck A. Global food losses and food waste In: Food and Agriculture Organization of the United Nations 2011.
55. Conrad Z, Niles MT, Neher DA, Roy ED, Tichenor NE, Jahns L. Relationship between food waste, diet quality, and environmental sustainability. *PLoS ONE*. 2018;13:e0195405. doi: 10.1371/journal.pone.0195405.
56. Gunders D, Bloom J. WASTED: How America is Losing up to 40 Percent of Its Food From Farm to Fork to Landfill. In: Natural Resources Defense Council; 2017.
57. U.S. Department of Agriculture; Economic Research Service [database online]. U.S. Department of Agriculture; Economic Research Service; 2010.
58. Buzby JC, Wells HF, Hyman J. The Estimated Amount, Value, and Calories of Postharvest Food Losses at the Retail and Consumer Levels in the United States. In: Washington, DC: USDA Economic Research Service; 2014.
59. Venkat K. The Climate Change and Economic Impacts of Food Waste in the United States. *International Journal on Food System Dynamics*. 2012;2:431-446. doi: 10.18461/ijfsd.v2i4.247.
60. U.S. Environmental Protection Agency. Winning on Reducing Food Waste: Federal Interagency Strategy. Washington, DC: 2019. EPA 530-F-19-004.
61. Bird JK, Murphy RA, Ciappio ED, McBurney MI. Risk of Deficiency in Multiple Concurrent Micronutrients in Children and Adults in the United States. *Nutrients*. 2017;9:655. doi: 10.3390/nu9070655
62. Smith MR, Myers SS. Impact of anthropogenic CO₂ emissions on global human nutrition. *Nature Climate Change*. 2018;8:834-839. doi: 10.1038/s41558-018-0253-3.
63. Bruins MJ, Dael PV, Eggersdorfer M. The Role of Nutrients in Reducing the Risk for Noncommunicable Diseases during Aging. *Nutrients*. 2019;11:85. doi: 10.3390/nu11010085
64. Soares JC, Santos CS, Carvalho SMP, Pintado MM, Vasconcelos MW. Preserving the nutritional quality of crop plants under a changing climate: importance and strategies. *Plant and Soil*. 2019;443:1-26. doi: 10.1007/s11104-019-04229-0.
65. Jin J, Armstrong R, Tang C. Impact of elevated CO₂ on grain nutrient concentration varies with crops and soils – A long-term FACE study. *Science of the Total Environment*. 2019;651:2641-2647. doi: 10.1016/j.scitotenv.2018.10.170.
66. Myers SS, Smith MR, Guth S, Golden CD, Vaitla B, Mueller ND, Dangour AD, Huybers P. Climate Change and Global Food Systems: Potential Impacts on Food Security and Undernutrition. *Annu Rev Public Health*. 2017;38:59-77. doi: 10.1146/annurev-publhealth-031816-044356.
67. Taub DR, Miller B, Allen H. Effects of elevated CO₂ on the protein concentration of food crops: a meta-analysis. *Global Change Biology*. 2007;14:565-575. doi: 10.1111/j.1365-2486.2007.01511.x.
68. Wilde P. The Nutrition Title's Long, Sometimes Strained, but Not Yet Broken, Marriage with the Farm Bill. In: *Choices*. 2016.

Farm Bill Policy Statement

69. U.S. Department of Agriculture; Food and Nutrition Service [database online]. Alexandria, VA. U.S. Department of Agriculture; Food and Nutrition Service; 2022.
70. Kids Count Data Center [database online]. 2022.

Appendix.

SNAP and COVID

In March 2020, the onset of the COVID-19 pandemic resulted in sudden massive job loss and an increased number of Americans at risk for food and nutrition insecurity.⁹ Prior to the pandemic, SNAP participation dropped, declining in 40 states and the District of Columbia. This was the lowest SNAP participation rate since 2010. As families struggled amid the pandemic, applications for SNAP benefits soared. On an average month in 2020, SNAP provided benefits to 39.9 million people in the U.S.⁶, up from 35.7 million in 2019, with the numbers continuing to rise in 2021.^{69,70}

To combat the effects of the pandemic, Congress authorized the Families First Coronavirus Response Act (FFCRA) in March 2020, temporarily raising SNAP benefits in two ways: raising all benefits by 15%, or about \$27 per month per person, and boosting every household to the maximum benefit level for their household size. The 15% increase ended on September 30, 2021, while the maximum household benefit continues until states end their pandemic emergency status – or when the federal government ends the public health emergency declaration. Congress also authorized the Coronavirus Aid, Relief, and Economic Security (CARES) Act which included \$15.5 billion dollars to support increased demand for SNAP. The pandemic has detrimentally impacted communities across the nation, especially low-income communities and communities of color. There is a continued need to expand SNAP benefits as people continue to recover from the aftershocks of COVID-19. The pandemic has also seriously impacted on the economy and is driving rising food costs across the country. Labor shortages, supply chain disruptions, and other factors, such as rising shipping costs, have contributed to the inflation of grocery prices, particularly dairy and meat products.