WASTE AND WATER WOES:

Popular conservation programs should focus on small-scale and sustainable farms, not industrial-scale farms

Written by Michael Happ May 2023



Waste and Water Woes:: Popular conservation programs should focus on small-scale and sustainable farms, not industrial-scale farms

By Michael Happ Institute for Agriculture and Trade Policy

> Published May 2023 © 2023 IATP. All rights reserved.

The information provided and the positions expressed in this document are the sole responsibility of IATP, and not those of the reviewers or other contributors.

Note on Data

IATP acquired all the NRCS data used for this report via a direct request to NRCS staff. The data reflects program usage in Fiscal Year 2022. The top five EQIP practices in each state in Fiscal Year 2022 are shown in the appendix to this report.

Acknowledgments:

•

Brian Shobe, California Climate and Agriculture Network
Nick Levendofsky, Kansas Farmers Union
Natural Resources Conservation Service Data Staff

All photos included are public domain images used courtesy of the USDA.



The Institute for Agriculture and Trade Policy works locally and globally at the intersection of policy and practice to ensure fair and sustainable food, farm and trade systems.

More at iatp.org

WASTE AND WATER WOES:

Popular conservation programs should focus on small-scale and sustainable farms, not industrial-scale farms

SUMMARY

This report, which examines Fiscal Year 2022 enrollment in the United States Department of Agriculture's (USDA) Environmental Quality Incentives Program (EQIP), is a follow-up to IATP's *Payments for Pollution* report. Among other findings, this report again finds that industrial practices, or practices that are often structural rather than plant or natural systems-based, receive an outsize share of EQIP funding. Two of the top 10 EQIP practices by total dollar amount spent are practices we identified as industrial, providing little to no conservation benefits, in our previous report: waste facility cover and waste storage facility. Together, these two practices, which prop up harmful, polluting concentrated animal feeding operations (CAFOs), were awarded over \$100 million of taxpayer dollars in 2022 under the guise of conservation. These two practices also appear on the top 10 list of most expensive practices on a per-contract basis. From this dishonorable top 10 list, at least eight could be considered industrial, with practices targeted toward large-scale, animal or commodity crop operations. The most expensive EQIP grant an individual farm can receive is for the construction of a methane digester, which is over \$280,000 on average. We discuss the harms of these digesters further in the paper.

We contrast these expensive, industrial practices with some of the more popular, low cost, true conservation practices offered through EQIP. By steering away from six-figure industrial practices and toward lower cost practices that help farmers adapt to a changing climate and conserve soil and water, EQIP can serve more farmers and bring more conservation benefits. This is especially important in a time when USDA turned away roughly three in four farmers who applied for EQIP in 2022.

This paper also examines the state of water and agriculture in the U.S. as it relates to EQIP. Irrigationrelated practices remained some of the more popular and costly uses of EQIP dollars in 2022. As climate change intensifies, droughts lengthen and aquifers deplete, there will likely be more demand for irrigation infrastructure. We discuss the need for better water use regulation across the country to lessen the strain on EQIP. Improvements in soil health, more thoughtful crop rotations and learning from traditional ecological knowledge can also go a long way in conserving the U.S.' water resources.

EQIP is a program that is funded through the onceevery-five-years Farm Bill. As the 2018 Farm Bill is set to expire on September 30, 2023, we believe this report is timely. As Congress debates and begins to write the 2023 Farm Bill, we hope this report can be a good resource in understanding how EQIP dollars are spent, and how the program can be retooled to build resilience for farms and farmers nationwide.



By Michael Happ, May 2023 Minneapolis I Washington D.C. I Berlin iatp.org

WASTE AND WATER WOES

INTRODUCTION

We release this report in the wake of yet another report by the Intergovernmental Panel on Climate Change (IPCC) on the nature of the climate crisis. The IPCC report concludes that we are much closer to a warmer world than previously thought, leading to a different reality for billions of people across the globe.¹ Effects once expected to occur decades in the future are happening now, leading to a new urgency for climate action by governments.

While Farm Bill conservation cost-share programs may not seem important when considering the global scale of climate change, they can help to reduce emissions and help farms become more climate resilient. Many farming practices supported by the Environmental Quality Incentives Program (EQIP) can build rich and healthy soils in a variety of climates, soils which are better able to withstand weather extremes such as floods and droughts.² EQIP can also help farmers diversify their operations by removing some of the financial burden from conserving a farm's soil and water.

To support climate resilience for the most farmers possible, EQIP should focus on practices that are both resilient and cost-effective. As IATP found in its 2022 *Payments for Pollution* report, a sizable chunk of EQIP dollars in the Midwest are spent on expensive

practices that are not resilient and may in fact make the climate crisis worse. These practices include waste storage facilities and waste facility covers, practices intended to prevent seepage of liquid animal manure from CAFOs into local water supplies. These EQIP payments, which are essential nodes of many CAFO's business plans, are among the most expensive practices and serve only a small number of farmers. CAFOs - specifically their large manure lagoons are also a huge source of methane, a potent greenhouse gas, as well as ammonia, hydrogen sulfide and particulate matter,³ all of which pose risks to human health. Many rural communities stand in strong opposition to the pollution generated by CAFOs, and as others have written, CAFOs are also harmful from an animal welfare perspective.4

This report builds on *Payments for Pollution* in two important ways. First, it provides Fiscal Year 2022 data on practice usage and money spent. Second, this report takes a deep dive into EQIP practices nationwide, examining practices that may be common outside of the Midwest.

Table 1 displays the top 10 EQIP practices by dollar amount spent in 2022. Two of these practices, waste facility cover and waste storage facility, were included in our list of industrial practices in *Payments for Pollution.* Both are largely used by CAFOs to store liquid

Practice	NRCS Practice Standard #	Number of Contracts	Total \$ Spent on Practice	Average Contract \$ Amount
Cover Crop	340	15,533	\$129,040,843	\$8,307.53
Fence	382	13,387	\$78,751,843	\$5,882.71
Brush Management	314	13,575	\$77,442,091	\$5,704.76
Waste Facility Cover	367	1,079	\$71,205,470	\$65,992.09
Waste Storage Facility	313	892	\$50,346,086	\$56,441.80
Irrigation System, Sprinkler	442	1,413	\$50,336,668	\$35,623.97
Forest Stand Improvement	666	5,271	\$45,443,655	\$8,621.45
Irrigation Pipeline	430	2,492	\$45,200,128	\$18,138.09
Pipeline (livestock)*	516	8,779	\$37,488,940	\$4,270.30
Heavy Use Area Protection	561	8,927	\$34,816,912	\$3,900.18

Table 1: Top 10 EQIP Practices by Dollar Amount Spent, Nationwide, 2022

animal waste, a potent source of methane and risk for water supplies. These two practices are more expensive on a per-contract basis than others on the list, as they require large amounts of concrete and liner to prevent liquid waste from leaking into surrounding waterways and groundwater. Despite these protective measures, animal waste often escapes and contaminates local water. In North Carolina, where many hog CAFOs lie within 100 miles of the Atlantic Ocean, several hurricanes have struck and caused lagoons to overflow, including Hurricane Florence in 2018, Hurricane Matthew in 2016 and Hurricane Floyd in 1999.⁵

HOW DOES EQIP WORK?

Over 160 different practices are eligible for EQIP funding. Farmers who wish to implement EQIP conservation practices on their land work with local Natural Resources Conservation Service (NRCS) staff to determine which practice or practices make the most sense. Different regions of the country pose different resource concerns, such as water quality and wildlife habitat. Proposals for EQIP practices that address regional resource concerns are often ranked higher than those that do not. The regional resource concerns are determined by NRCS in consultation with county and state technical advisory committees (STACs), open to farmers, landowners, conservationists and members of the general public.

In most cases, a farmer will receive technical guidance on how to install an EQIP practice, pay for it, install it and then receive reimbursement from NRCS. Lowincome farmers, farmers of color, veteran farmers, and new and beginning farmers can be eligible for <u>advance payments</u> so the up-front cost burden is lower.

We have provided the practice standard number used by the NRCS. A full and up-to-date list of practice standards and eligibility is available on the NRCS <u>website</u>.⁶

ANAEROBIC DIGESTERS: COSTLY AND COUNTERPRODUCTIVE

The single costliest practice eligible for EQIP payments is the anaerobic digester. In 2022, EQIP awarded \$1,983,965 to just seven anaerobic digesters, all of which are in California. That comes out to an average of \$283,424 per contract. Just one digester contract would be the equivalent of 4% of New Jersey's entire

Table 2: Top 10 Most Expensive EQIP Practices by Average Per-Contract Payment, Nationwide, 2022

Rank	Practice	NRCS Practice Standard #	Number of Contracts	Total \$ Spent on Practice	Average Contract \$ Amount
1	Anaerobic Digester	366	7	\$1,983,965	\$283,424
2	Pond Sealing or Lining Concrete	522	34	\$4,646,545	\$136,663
3	Groundwater Recharge Basin or Trench	815	8	\$1,044,671	\$130,584
4	Waste Treatment Lagoon	359	2	\$204,840	\$102,420
5	Fish Passage	396	33	\$2,286,372	\$69,284
6	Waste Facility Cover	367	1,079	\$71,205,470	\$65,992
7	Aquaculture Ponds	397	1	\$56,910	\$56,910
8	Waste Storage Facility	313	892	\$3,086,643	\$56,442
9	Pond Sealing or Lining	521	63	\$3,439,359	\$62,590
10	Edge of Field Water Quality Monitoring Data Collection and Evaluation	201	6	\$321,605	\$53,601

Note: The **bolded** practices are largely used to support CAFOs.



EQIP allocation in 2022 or around 6.6% of Massachusetts' allocation. The money spent on these seven digesters could instead have helped 238 farmers plant cover crops.

Expensive anaerobic digesters are most often installed at CAFOs to capture methane gas from manure lagoons. Once captured, methane gas is often channeled into natural gas pipelines. Digesters are key nodes in a growing movement to use biogas derived from animal manure for energy, sometimes under the guise of "green" or "renewable" energy. If the market for biogas continues to grow, with the help of state and federal subsidies, it will create further incentives to expand CAFOs to produce more manure. Livestock have the potential to be valued less for meat, dairy and wool and more for the waste they produce.

IATP has <u>written</u> about how biogas, and digesters in particular, is a false climate solution that further props up a polluting system of animal production, in which rural communities pay the price. Biogas diverts precious resources away from true solutions that reduce emissions and make the agricultural system more climate resilient.⁷ EQIP is not the only source of taxpayer dollars that can be used for methane

Exterior shot of an anaerobic digester, USDA.

digesters. The Rural Energy for America Program (REAP) run by USDA also provides public funding for biogas infrastructure, as do some state-level programs.⁸ With limited time to meet climate target dates set by the U.S. and global community, we cannot afford costly distractions such as biogas when other proven solutions exist and broader systems reforms are needed.

EQIP IMPROVEMENT ACT

When EQIP was first created in the 1996 Farm Bill, CAFOs were not eligible for funding through the program. The EQIP Improvement Act, a bill introduced in March 2023 by Senators Cory Booker (D-NJ) and Mike Lee (R-UT), would reform the way EQIP practices are prioritized, bringing the program more in line with its original intent of conservation while deprioritizing expensive practices that don't have much environmental benefit. Sens. Booker and Lee have identified 25 practices currently eligible for EQIP funding that would have a lower federal cost-share. Under this bill, most EQIP practices would be eligible for 75% federal cost-share, whereas the practices in Table 3 would only be eligible for 40%. Additionally, all EQIP contract holders would only be eligible for less than \$125,000 in payments over four years. The average contracts for the practices targeted under the EQIP Improvement Act are well below the payment limits, indicating that only the largest contracts and largest farms would affected.

Many of the practices that IATP identified as industrial in *Payments for Pollution* are reflected in Table 3. These practices are italicized. As we highlighted in the 2022 report, our list of 10 practices was not exhaustive, but rather examples of the cost, scale and effects of EQIP payments for practices that are not effective at conserving the environment and may in fact make the climate and conservation crises worse.

WHAT ARE SOME EXAMPLES OF COST-EFFECTIVE, CLIMATE-RESILIENT EQIP PRACTICES?

Table 4 highlights a handful of climate-resilient EQIP practices that can serve as cost-effective alternatives to the more expensive structural and industrial practices. Some of these practices help build soil health and soil organic carbon, while others, such as high tunnel systems, windbreaks and multi-story cropping, can help farmers insulate their crops from extreme weather events and improve productivity. Others, such as silvopasture and prescribed grazing, work to better integrate livestock and natural systems. As with any

Table 3: Practices targeted by EQIP Improvement Act

Note: The **bolded** practices are those identified as "industrial" in IATP's 2022 *Payments for Pollution* report.

Practice	NRCS Practice Standard #	Number of Contracts	Total \$ Spent on Practice	Average Contract \$ Amount
Access Road	560	671	\$5,719,100	\$8,523
Animal Mortality Facility	316	384	\$12,235,916	\$31,864
Aquaculture Pond	397	1	\$56,910	\$56,910
Clearing and Snagging	326	20	\$148,555	\$7,428
Dam	402	1	\$26,754	\$26,754
Dam using diversion	348	6	\$148,737	\$24,790
Dike	356	182	\$4,166,907	\$22,895
Diversion	362	454	\$1,079,598	\$2,378
Fish raceway or tank	396	33	\$2,286,372	\$69,284
Irrigation pipeline	430	2,492	\$45,200,128	\$18,138
Irrigation reservoir	436	235	\$4,161,712	\$17,709
Land clearing	460	298	\$364,200	\$1,222
Land smoothing	466	256	\$1,067,697	\$4,171
Livestock pipeline	516	8,779	\$37,488,940	\$4,270
Obstruction removal	500	706	\$4,673,214	\$6,619
Pond	378	594	\$4,877,882	\$8,212
Pumping plant	533	3,967	\$24,335,497	\$6,134
Spoil spreading	572	76	\$105,802	\$1,392
Surface drain using a field ditch	607	9	\$51,520	\$5,724
Main or lateral surface drain	608	8	\$107,352	\$13,419
Vertical drain	630	0	0	0
Waste facility closure	360	140	\$3,453,894	\$24,671
Waste storage facility	313	892	\$50,346,086	\$56,442
Waste transfer	634	431	\$5,223,592	\$12,120
Waste treatment lagoon	359	2	\$204,840	\$102,420

Practice	NRCS Practice Standard #	Number of Contracts	Total \$ Spent on Practice	Average Contract \$ Amount
Alley cropping	311	5	\$43,575	\$8,715
Conservation cover	327	1,460	\$4,521,721	\$3,097
Conservation crop rotation	328	1,841	\$7,506,982	\$4,078
Prescribed grazing	528	8,983	\$24,887,238	\$2,770
Critical area planting	342	3,166	\$3,233,756	\$1,021
High tunnel system	325	2,919	\$29,383,316	\$10,066
Multi-story cropping	379	69	\$438,254	\$6,352
Windbreak/shelter- break establishment	380	542	\$1,281,505	\$2,364
Silvopasture establishment	381	113	\$567,708	\$5,024
Riparian forest buffer	391	286	\$861,169	\$3,011

Table 4: Usage of 10 Climate Resilient EQIP Practices, Nationwide, 2022

Source: United States Department of Agriculture. Natural Resources Conservation Service. NRCS Protracts 10 13 2022.

practice, not all of these are useful in all contexts there are many parts of the country where a riparian forest buffer is not possible, for example. Farmers and researchers are continuing to learn more about ways to conserve soil and water in dry conditions, and whether practices like those in Table 4 can be useful on such farms.

USDA has worked to incorporate local and regional climate realities into its resource conservation priorities, and its existing structures, such as county committees and State Technical Advisory Committees (STACs), can be good tools to ensure conservation programs work for climate resilience regardless of location. More can be done to better incorporate climate resilience into these advisory bodies, as well as the funding that ultimately comes from the USDA.

The list of practices in Table 4 is not comprehensive but provides a sample of conservation practices that are both cost-effective and can be climate resilient.

EQIP AND IRRIGATION

Comparing EQIP practices in the Eastern U.S. to the West, one major difference becomes apparent immediately: irrigation. In almost every Western state, irrigation-related practices are present in the top five EQIP practices by total amount of money spent. In the case of California, three of the top five practices by dollars spent are irrigation-related practices. In an era of erratic rainfall and drying aquifers, the question arises: Should an environmental program such as EQIP be paying for expensive irrigation projects? The answer? It depends.

In California, it is practically impossible to grow food in much of the state without some form of irrigation. According to the State of California, over one-third of the U.S.' vegetables and three-quarters of its nuts and fruits are grown there.⁹ For the state's Central Valley, irrigation water comes from reservoirs of rain and melted snowpack from the Sierra Nevada Mountains and other surrounding mountain ranges. In Southern California, the Colorado River is a major source of irrigation water. In both cases, the overall water supply is variable. So far, in 2023, unusually high amount of rain and snow from "atmospheric rivers" has helped bust a years-long drought and ensure the water supply is largely secure this year. However, as we saw in previous years, droughts can be long-lasting and appear with little warning, exacerbated by the more intense heat that comes with climate change.

The water situation in Kansas is different than California. Instead of being reliant on snowpack, much of western Kansas receives its irrigation water from the Ogallala Aquifer. This ancient water lies under the High Plains and has varying levels of depth. The portion of the aquifer that lies under Southwest Kansas is relatively shallow and has been depleted much quicker than it can be replenished. Many farms are digging



EQIP-funded water filtration and drip irrigation system on California tomato farm, USDA.

deeper wells, changing irrigation systems, or giving up on irrigation altogether. In addition, for decades, Kansas has had a policy of "planned depletion," which essentially mandates the aquifer be drained for the sake of irrigating crops.¹⁰ A December 2022 law in Kansas is attempting to address the Ogallala crisis by allowing restrictions on water use, though results may differ across groundwater administration districts.¹¹

As we highlighted in our 2022 report *Payments for Pollution,* Kansas spends fewer EQIP funds on industrial practices than other states in the Midwest and Great Plains. Some of Kansas's top EQIP practices include cover crops and brush management. Despite the widespread use of irrigation in the state, unlike California, very few EQIP dollars go to irrigation in Kansas. While the state is at a crossroads when it comes to water, it will be interesting to see if farmers and conservationists turn to EQIP for solutions.

Many of the irrigation practices EQIP pays for are intended to decrease the amount of water used in irrigated fields, practices that are known as "precision irrigation." EQIP helps pay for micro irrigators and sprinkler style irrigators, which both use less water than traditional flood and furrow irrigation systems. EQIP also helps pay for irrigation pipelines, the smoothing of land for irrigation and pumping plants for moving water. One side effect of precise applicators is they increase soil salinity, which is detrimental for most crops.¹² In order to combat excessive soil salinity, excess water beyond what is needed for the plant may be used, sometimes up to 26% more water.¹³ Precision irrigation technologies may provide "more crop per drop," but they do not necessarily lead to an overall reduction in water use.

Better monitoring and regulation of water levels in aquifers and reservoirs is necessary if irrigation agriculture is to continue in much of the U.S. In places where feasible, more support should be provided for growers who wish to adopt <u>dry farming</u> practices.

WHAT IS COMBUSTION SYSTEM IMPROVEMENT?

In California, the top EQIP practice by dollar amount spent is the "<u>Combustion System Improvement</u>" practice. This practice helps farmers replace or retrofit fossil-fuel burning combustion engines and systems with cleaner and/or more renewable options. While also operating outside of California (it is operating with some success in Puerto Rico), in California, the practice works in tandem with the Carl Moyer Memorial Air Quality Standards Attainment <u>Program</u> to reduce particulate matter and nitrous oxide released from engines, heaters, pumps, tractors and other agricultural combustion systems.¹⁴ Considering the high levels of air pollution in places like California's Central Valley, this practice can go a long way in providing healthier air, especially for farmers, farmworkers and others who spend their days outdoors.

CONCLUSION

This report further underscores the recommendations we made in *Closed Out* and *Payments for Pollution* there is a great need for additional funds to connect farmers with cost-effective, climate-resilient farming practices. In this vein, Congress should seek to protect funding for conservation agriculture outlined in the Inflation Reduction Act while instituting further reforms akin to the EQIP Improvement Act that divert funding away from costly, high emissions industrialscale practices and toward proven practices that insulate farmers from the shocks of climate change.

The effects of climate change are real, and they are happening now. We must do what we can to mitigate what we can and adapt to the rest. With reforms, EQIP can play a meaningful role in both mitigation and adaption.



Endnotes

1 Intergovernmental Panel on Climate Change. *AR6 Synthesis Report: Climate Change 2023.* 2023. Accessed April 13, 2023. <u>https://</u> www.ipcc.ch/report/ar6/syr/

2 Girija Veni, V., Ch. Srinivasarao, K. Sammi Reddy, K.L. Sharma, and Ashish Rai. "Soil health and climate change," in *Climate Change and Soil Interactions,* ed. Majeti Narasimha Vara Prasad and Marcin Pietrzykowski (Cambridge, Massachusetts: Elsevier, 2020), 751.

3 National Association of Local Boards of Health. Understanding Concentrated Animal Feeding Operations and Their Impact on Communities. 2010. Accessed April 13, 2023. <u>https://www.cdc.gov/nceh/ehs/</u> docs/understanding_cafos_nalboh.pdf.

4 American Society for the Prevention of Cruelty to Animals. *Revealing the Problem with Factory Farming*. <u>https://www.aspca.org/</u> <u>protecting-farm-animals/problem-factory-farming</u>. Accessed April 27, 2023.

5 Environment America. *Agricultural Waste Lagoons: Accidents Waiting to Happen*. <u>https://environmentamerica.org/wp-content/uploads/2022/08/AccidentsFactsheet-ManureLagoons-1.pdf</u>. Accessed April 25, 2023.

6 Natural Resources Conservation Service. *Conservation Practice Standards.* <u>https://www.nrcs.usda.gov/resources/guides-and-instruc-</u> *tions/conservation-practice-standards*. Accessed May 10, 2023.

7 Murphy, Sophia and Ben Lilliston. *True or False? Evaluating solutions for agriculture and climate change.* Institute for Agriculture and Trade Policy. <u>https://www.iatp.org/true-or-false-climate-solutions</u>. Accessed May 3, 2023.

8 United States Department of Agriculture Rural Development. *Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Guaranteed Loans & Grants.* <u>https://www.rd.usda.gov/programs-services/energy-programs/rural-energy-america-program-renewable-energy-systems-energy-efficiency-improvement-guaranteed-loans</u>. Accessed May 3, 2023.

9 California Department of Food and Agriculture. *California Agricultural Statistics Review 2021-2022*. <u>https://www.cdfa.ca.gov/Statistics/PDFs/2022 Ag Stats Review.pdf</u>. Accessed April 23, 2023.

10 Kansas Geological Survey. *Sustainable Development of Water Resources.* <u>https://www.kgs.ku.edu/Publications/pic9/pic9_3.html</u>. Accessed May 5, 2023. 11 Condos, David. With the Ogallala Aquifer drying up, Kansas considers limits to crop irrigation. Kansas News Service. April 9, 2023. Accessed April 24, 2023. <u>https://www.kansas.com/news/state/</u> article274099780.html.

12 Nickel, Raylene. *New life for saline soil. Here's how some perennial grasses can lower soil salinity.* Successful Farming. 2017. <u>https://www.agriculture.com/crops/cover-crops/new-life-for-saline-soil</u>. Accessed April 25, 2023.

13 Hanson, Blaine R. and Warren E. Bendixen. University of California, Agriculture and Natural Resources. *Drip irrigation controls soil salinity under row crops.* California Agriculture 49(4): 19-23. <u>https://doi.org/10.3733/ca.v049n04p19</u> Accessed April 18, 2023.

14 California Air Resources Board. *Carl Moyer Memorial Air Quality Standards Attainment Program.* <u>https://ww2.arb.ca.gov/our-</u> work/programs/carl-moyer-memorial-air-quality-standards-attainmentprogram. Accessed May 10, 2023.

See also:

- NRCS FY23 Payment Schedules for Conservation Programs: <u>https://www.nrcs.usda.gov/getting-assistance/payment-schedules</u>
- University of Illinois Gardner Policy Series: A View of the Farm Bill Through Policy Design, Part 1: EQIP <u>https://farmdocdaily.illinois.edu/2023/04/a-</u> view-of-the-farm-bill-through-policy-design-part-1eqip.html
- Center for Rural Affairs: What to Know About EQIP Application Rankings and Advance Payment Options <u>https://www.cfra.org/sites/default/files/</u> <u>PDFResources/Case%20studies/CCG%20fact%20</u> <u>sheets/eqip-application-rankings-and-advance-</u> <u>payment-option.pdf</u>
- Aqueduct Water Risk Atlas: <u>https://www.wri.org/</u> applications/aqueduct/water-risk-atlas/#/?advan ced=false&basemap=hydro&indicator=w_awr_def_ tot_cat&lat=30&lng=-80&mapMode=view&month= 1&opacity=0.5&ponderation=DEF&predefined=fals e&projection=absolute&scenario=optimistic&scop e=baseline&threshold&timeScale=annual&year=ba seline&zoom=3

APPENDIX

Top Five EQIP Practices by total statewide dollar amount, Fiscal Year 2022

State	NRCS Practice Standard #		\$ Spent Statewide
Alabama			
Tree/Shrub Establishment Forest Site Preparation Prescribed Burning Cover Crop Fence		377 363 730 146 345	\$3,380,561 \$2,420,698 \$1,917,378 \$1,783,150 \$1,726,358
Alaska			
Tree/Shrub Establishment Animal Trails and Walkways Forest Stand Improvement Residue Management, Mulch High Tunnel System	n Till	36 10 55 27 17	\$2,561,409 \$2,144,577 \$2,129,268 \$251,007 \$152,825
Arizona			
Brush Management Fence Trough or Tank Pipeline Forest Stand Improvement		113 112 196 109 14	\$3,170,948 \$1,398,206 \$1,216,268 \$1,164,885 \$890,682
Arkansas			
Cover Crop Irrigation Land Leveling Irrigation Pipeline Pumping Plant for Water Cor Waste Facility Cover	ntrol	763 199 281 149 97	\$7,342,825 \$5,625,414 \$4,904,829 \$2,725,160 \$2,537,635
California			
Combustion System Improve Irrigation System, Micro Irrigation Pipeline Irrigation System, Sprinkler Forest Stand Improvement	ement	396 250 187 73 263	\$21,933,222 \$10,273,175 \$4,137,842 \$3,402,074 \$3,302,322
Colorado			
Irrigation Pipeline Forest Stand Improvement Cover Crop Irrigation System, Sprinkler Conservation Crop Rotation		229 270 468 112 70	\$5,257,084 \$5,222,454 \$5,150,007 \$3,078,108 \$1,860,752

Connecticut 11 \$890,029 Waste Facility Cover 11 \$895,320 Forest Stand Improvement 46 \$446,223 Brush Management 85 \$379,381 Forest Harvest Trails & Landings 33 \$251,978 Delaware 12 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida 2 \$2,904,477 Brush Management 278 \$2,228,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia S \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Forest Site Preparation 389 \$4,636,908 Forest Site Preparation
Waste Facility Cover 11 \$890,029 Waste Storage Facility 6 \$855,320 Forest Stand Improvement 46 \$446,223 Brush Management 85 \$379,381 Forest Harvest Trails & Landings 33 \$251,978 Delaware Heavy Use Area Protection 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490
Waste Storage Facility 6 \$855,320 Forest Stand Improvement 46 \$446,223 Brush Management 85 \$379,381 Forest Harvest Trails & Landings 33 \$251,978 Delaware Heavy Use Area Protection 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456
Forest Stand Improvement 46 \$446,223 Brush Management 85 \$379,381 Forest Harvest Trails & Landings 33 \$251,978 Delaware Heavy Use Area Protection 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Brush Management 85 \$379,381 Forest Harvest Trails & Landings 33 \$251,978 Delaware Heavy Use Area Protection 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia 2 \$6,048,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Brush Management 55 \$251,978 Delaware 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida 278 \$2,728,203 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia 200 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Potest Harvest Hails & Earlings 33 \$23,570 Delaware Heavy Use Area Protection 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia \$408,6215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 389 \$4,636,908 Forest Site Preparation 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Delaware I82 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Yes Yes Yes Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Heavy Use Area Protection 182 \$1,457,833 Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Waste Facility Cover 19 \$1,016,360 Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Cover Crop 40 \$708,331 Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Irrigation System, Sprinkler 12 \$580,590 Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Amendments for Treatment of Agricultural Waste 69 \$408,627 Florida 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia 20ver Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Florida 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Herbaceous Weed Control 396 \$3,904,399 Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Cover Crop 183 \$2,904,477 Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Brush Management 278 \$2,728,203 Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Forest Site Preparation 172 \$2,054,435 Tree/Shrub Establishment 157 \$1,722,644 Georgia Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Tree/Shrub Establishment 157 \$1,722,644 Georgia 157 \$1,722,644 Waste Facility Cover 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Georgia 137 \$1,722,044 Georgia 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Georgia 484 \$6,648,203 Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Cover Crop 484 \$6,648,203 Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Waste Facility Cover 85 \$6,196,215 Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Tree/Shrub Establishment 389 \$4,636,908 Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Forest Site Preparation 490 \$4,398,428 Fence 456 \$2,597,753
Fence 456 \$2,597,753
Hawai'i
Fonco 122 \$1744.260
Troc/Shrub Establishment EQ \$1,744,303
$\frac{1}{2} = \frac{1}{2} = \frac{1}$
Brush Management 135 $\mathfrak{P}_{1,215,714}$
Irough or Tank 111 \$685,330
Mulching 91 \$557,632
Idaho
Irrigation Pipeline 171 \$3,491,933
Irrigation System, Sprinkler 109 \$2,848,326
Brush Management 69 \$1.335.812
Structure for Water Control 185 \$1,281,072
Fence 143 \$1.124.144
Illinois
Waste Facility Cover32\$2,246,156
Underground Outlet 345 \$1,675,104
Cover Crop 285 \$1,648,823
Heavy Use Area Protection 123 \$1,269,304
Waste Storage Facility11\$999,527

State	ate NRCS Practice Standard #		\$ Spent Statewide
Indiana			
Cover Crop Brush Management		1,142 642	\$6,467,672 \$3,484,972
Waste Facility Cover		63	\$2,777,818
Waste Storage Facility		41	\$2,198,845
Nutrient Management		196	\$1,244,940
Iowa			
Cover Crop		1,034	\$9,890,153
Waste Facility Cover		22	\$4,363,902
Waste Storage Facility		34	\$2,855,176
Underground Outlet		129	\$1,485,291
Grade Stabilization Structure		42	\$1,322,996
Kansas			
Terrace		563	\$4,238,082
Cover Crop		433	\$4,207,392
Underground Outlet		272	\$2,015,139
Brush Management		773	\$1,819,308
Nutrient Management		119	\$1,450,468
Kentucky			
Fence		841	\$3,467,044
Forest Slash Treatment		183	\$2,923,272
Cover Crop		334	\$2,440,110
Pipeline		400	\$1.294.384
Pasture & Hayland Planting		292	\$1,194,188
Louisiana			
Cover Crop		230	\$3.675.521
Irrigation Pipeline		73	\$2,306,108
Irrigation Land Leveling		145	\$2.232.767
Heavy Use Area Protection		474	\$1.122.609
Fence		295	\$965,248
Maine			
Waste Facility Cover		27	\$2,251,755
Waste Storage Facility		19	\$1 496 156
Heavy Use Area Protection		55	\$812,302
Fish Passage		6	\$782,217
Forest Stand Improvement		83	\$642,845
Maryland			
Waste Facility Cover		13	\$1,594,069
Heavy Use Area Protection		153	\$1.350.315
Wildlife Habitat- Restore and	Management	25	\$1.041.550
Fence		127	\$654.076
Waste Storage Facility		15	\$500,148

State	NRCS Practice Standard #		\$ Spent Statewide	
Massachusetts				
Waste Facility Cover	7	7	\$745,793	
Waste Storage Facility	e	5	\$615,439	
High Tunnel System	3	33	\$418,426	
Brush Management	6	52	\$301,991	
Forest Stand Improvement	2	27	\$266,640	
Michigan				
Cover Crop	2	180	\$8,870,832	
Waste Facility Cover	2	10	\$3,317,496	
Waste Storage Facility	ź	25	\$1.977.166	
Nutrient Management	1	02	\$1,261,088	
Agrichemical Handling Facilit	ty 2	22	\$988,702	
Minnesota				
Cover Crop	6	646	\$3,942,074	
Waste Facility Cover		34	\$3,732,956	
Waste Storage Facility		38	\$3,007925	
Pest Management	- 1	ло 47	\$1783587	
Underground Outlet			\$1,658,307	
Under ground Oddet			\$1,030,744	
Mississippi				
Cover Crop	8	345	\$10,715,367	
Irrigation Pipeline	1	65	\$4,310,086	
Fence	7	'98	\$3,943,620	
Dike	1	54	\$3,657,191	
Grade Stabilization Structure	e 2	100	\$3,031,804	
Missouri				
Cover Crop	8	366	\$4,998,280	
Fence	F	577	\$3,581,923	
Terrace	c))))	\$2 784 216	
Pasture & Hayland Planting		2 201	\$2124947	
Pipeline	3	314	\$1,770,505	
Montana				
Forest Slash Treatment	2	152	\$3,758,923	
Forest Stand Improvement		350	\$3,602,932	
Fence	2	241	\$3,541,978	
Pipeline	3	334	\$2,354,584	
Brush Management	2	214	\$2,327,976	
Nebraska				
Cover Crop	5	538	\$2,837,744	
Brush Management	2	133	\$2,477,414	
Prescribed Grazing	2	268	\$2,197,756	
Irrigation System Sprinkler	- F	53	\$1.725.140	
Pumping Plant for Water Co	ntrol 2	225	\$1,610,308	

State	NRCS Practice Standard #		\$ Spent Statewide	
Nevada				
Irrigation Pipeline		60	\$2,624,092	
Irrigation System, Sprinkler		21	\$1,011,420	
Structure for Water Control		149	\$929,440	
Irrigation Ditch & Canal		22	\$770,200	
Irrigation Land Leveling		21	\$255,832	
New Hampshire				
Brush Management		163	\$647.687	
Forest Stand Improvement		78	\$492,427	
Wildlife Habitat Farly Succes	sional	99	\$369 578	
Pest Management		52	\$358.450	
High Tunnel System		40	\$352,148	
New Jorcey				
High Tunnel System		50	\$1,501,421	
Cover Crop		190	\$887,970	
Floodwater Diversion		25	\$704,147	
Waste Facility Cover		7	\$631,986	
Wildlife Habitat- Restore and	Management	9	\$361,834	
New Mexico				
Irrigation System, Sprinkler		84	\$4.082.272	
Brush Management		178	\$3,694,486	
Forest Stand Improvement		17 C	\$2,316,965	
Fonco		168	\$2,510,505	
Trough or Tank		200	\$2,200,947 \$1670,600	
Trough of Tank		527	\$1,072,022	
New York				
Waste Storage Facility		21	\$2,615,326	
High Tunnel System		162	\$2,126,404	
Waste Facility Cover		26	\$1,717,577	
Heavy Use Area Protection		55	\$1,140,192	
Forest Stand Improvement		174	\$1,014,406	
North Carolina				
Animal Mortality Facility		<i>1</i> 7	\$5 102 826	
Waste Escility Cover		4/ 5/	\$3,702,020 \$4,127,076	
Cover Crep		J4 4E 4	¢2,022,920	
Cover Crop		154	⊅2,983,853 ¢2,424,007	
Waste Storage Facility		51	\$2,131,907	
Forest Stand Improvement		90	\$1,029,564	
North Dakota				
Nutrient Management		157	\$3,670,627	
Pipeline		212	\$2,212,557	
Residue Management, No Til	l & Strip Till	126	\$2,173,162	
Wildlife Wetland Habitat Man	agement	500	\$2,162,069	
Fence		315	\$1,979,178	

State	NRCS Practice Standard #		\$ Spent Statewide
Ohio			
Waste Facility Cover Cover Crop Waste Storage Facility Brush Management Nutrient Management		119 730 79 1,186 164	\$8,000,717 \$6,204,787 \$3,990,234 \$2,842,747 \$2,253,816
Oklahoma			
Pasture & Hayland Planting Brush Management Cover Crop Irrigation System, Sprinkler Irrigation System, Micro		454 1,023 368 42 12	\$5,741,440 \$3,122,482 \$2,947,761 \$2,139,966 \$1,501,746
Oregon			
Forest Stand Improvement Brush Management Forest Slash Treatment Irrigation System, Sprinkler Irrigation System, Micro		361 543 482 82 52	\$5,190,506 \$2,696,049 \$2,322,925 \$2,205,724 \$1,872,282
Pennsylvania			
Waste Facility Cover Waste Storage Facility Cover Crop Heavy Use Area Protection Fence		106 100 464 234 361	\$6,668,242 \$4,774,311 \$3,083,320 \$2,967,299 \$1,410,519
Rhode Island			
Wildlife Habitat- Restore and High Tunnel System Lined Waterway or Outlet Waste Storage Facility Forest Stand Improvement	l Management	54 27 9 1 32	\$1,053,046 \$406,568 \$167,733 \$155,160 \$148,425
South Carolina			
On-Farm Equipment Efficien Cover Crop Waste Facility Cover Tree/Shrub Establishment Forest Stand Improvement	cy Improvements	96 302 31 185 81	\$5,047,351 \$4,062,968 \$2,550,725 \$1,725,116 \$1,691,250
South Dakota			
Cover Crop Pipeline Fence Prescribed Grazing Well		514 409 276 446 45	\$3,847,305 \$3,829,097 \$2,043,928 \$1,760,183 \$1,374,481

State	NRCS Practice Standard #		\$ Spent Statewide
Tennessee			
Cover Crop Streambank & Shoreline Pr Fence Pipeline Grade Stabilization Structu	rotection	881 133 892 634 137	\$5,103,522 \$3,108,334 \$3,096,342 \$1,811,943 \$1,711.856
Toxac			
Brush Management Fence Irrigation System, Micro Irrigation System, Sprinkler Tree/Shrub Establishment	-	2,717 1,470 89 170 165	\$29,248,896 \$9,918,950 \$8,713,436 \$7,127,340 \$3,359,190
Utah			
Irrigation Pipeline Irrigation System, Sprinkler Brush Management Range Planting Pipeline		303 243 169 69 111	\$6,512,192 \$6,228,555 \$3,060,334 \$1,351,209 \$1,140,444
Vermont			
Waste Storage Facility High Tunnel System Brush Management Pasture & Hayland Planting Pond Sealing or Lining Con) crete	16 84 298 49 3	\$2,008,286 \$945,363 \$667,923 \$587,705 \$513,223
Virginia			
Fence Waste Facility Cover High Tunnel System Pipeline Pasture & Hayland Planting	J	619 26 143 255 199	\$3,553,196 \$2,415,419 \$1,656,286 \$1,509,902 \$1,457,638
Washington			
Residue Management, Mul Irrigation System, Sprinkler Nutrient Management Tree/Shrub Establishment Prescribed Grazing	ch Till	64 44 103 52 57	\$3,112,043 \$1,887,325 \$1,491,158 \$1,464,325 \$1,213,856
West Virginia			
Waste Facility Cover Fence Heavy Use Area Protection Streambank & Shoreline Pr Waste Storage Facility	rotection	41 533 504 40 34	\$2,643,849 \$1,696,728 \$1,151,710 \$810,403 \$750,034

State	NRCS Practice Standa	rd #	\$ Spent Statewide
Wisconsin			
Cover Crop		633	\$5,700,549
Waste Storage Facility		39	\$5,271,330
Pond Sealing or Lining Concr	ete	24	\$3,193,838
Heavy Use Area Protection		97	\$1,696,282
Fence		212	\$1,290,943
Wyoming			
Irrigation System, Sprinkler		117	\$5,628,862
Fence		233	\$2,997,956
Irrigation Pipeline		135	\$1,590,839
Pipeline		127	\$1,349,852
Herbaceous Weed Control		64	\$1,319,669
Pacific Basin			
Waste Facility Cover		11	\$286,268
High Tunnel System		28	\$155,404
Manure Transfer		13	\$65,924
Waste Storage Facility		10	\$62,626
Composting Facility	:	8	\$55,307
Puerto Rico			
Mulching		60	\$1,536,978
Waste Facility Cover		29	\$1,494,954
Fence		238	\$930,663
Heavy Use Area Protection		143	\$920,831
Combustion System Improve	ment	12	\$819,110