Supplementary Table 1. Requested NANP direct funds budget

Description[a]	FY2026	FY2027	FY2028	FY2029	FY2030	5 Yr Totals
Salaries[b]						
Modeling Coordinator (post doc)	$77,000	$77,000	$77,000	$77,000	$77,000	$385,000
Administrative Assistant (25%)	$12,000	$12,000	$12,000	$12,000	$12,000	$60,000
Committee Chair Support	$30,000	$30,000	$30,000	$30,000	$30,000	$150,000
Travel		$18,000		$18,000		$36,000
Summit		$50,000				$50,000
Supplies[c]	$1,000	$1,000	$1,000	$1,000	$1,000	$5,000
Website maintenance and data management	$120,000	$120,000	$120,000	$120,000	$120,000	$600,000
Workshops and Symposiums	$20,000	$20,000	$20,000	$20,000	$20,000	$100,000
Publications	$4,000	$4,000	$4,000	$4,000	$4,000	$20,000
Social Media	$27,000	$27,000	$27,000	$27,000	$27,000	$135,000
National Academies Science, Engineering, and Medicine	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
Total	**$301,000**	**$369,000**	**$301,000**	**$319,000**	**$301,000**	**$1,591,000**

[a]Dollars provided will be split among the Coordinating Committee, Feed Composition Committee, Modeling Committee, and the Feed Management Committee. Fringe benefits are to be provided by hosting institution.

[b]Salaries are for professional and technical support staff for coordinating meetings, developing and distributing materials. Salaries of members and collaborators are contributed by the participating institutions.

[c]Supplies include computer supplies and software for maintaining databases and computer information servers, shipping costs, publication costs, postage, and communications activities.

Supplementary Table 2. Total projected NANP budget including direct and leveraged funds

Description	FY2026	FY2027	FY2028	FY2029	FY2030	5 Yr Totals
Requested NANP direct funds (from Table 1):	$301,000	$369,000	$301,000	$319,000	$301,000	$1,591,000
Anticipated leveraged in kind support (from Table 3):	$7,368,375	$7,388,843	$7,409,719	$7,431,014	$7,452,734	$37,050,685
Anticipated leveraged grant dollars (from Table 4):	$1,325,000	$1,325,000	$11,105,000	$1,600,000	$1,450,000	$16,805,000
Total projected NANP budget from all sources:	**$8,994,375**	**$9,082,843**	**$18,815,719**	**$9,350,014**	**$9,203,734**	**$55,446,685**

Supplementary Table 3. Leverage in-kind; Institutional salary support, indirect costs, other institutional costs, value of feed analyses, travel, and publications costs.

Description	FY2026	FY2027	FY2028	FY2029	FY2030	5 Yr Totals
Salaries[a]						
Committee members (SY)	$473,000	$482,460	$492,109	$501,951	$511,990	$2,461,511
Technical support (TY)	$112,500	$114,750	$117,045	$119,386	$121,774	$585,455
Administrative support	$96,750	$98,685	$100,659	$102,672	$104,725	$503,491
Fringe benefits	$136,450	$139,179	$141,963	$144,802	$147,698	$710,091
Institutional indirect cost	$204,675	$208,769	$212,944	$217,203	$221,547	$1,065,137
Institutional support[b]						
Coordinating Animal Nutrition Committee	$73,000	$73,000	$73,000	$73,000	$73,000	$365,000
Feed and Ingredient Composition Committee	$73,000	$73,000	$73,000	$73,000	$73,000	$365,000
Modeling Committee	$73,000	$73,000	$73,000	$73,000	$73,000	$365,000
Feed Management Committee	$73,000	$73,000	$73,000	$73,000	$73,000	$365,000
Feed analysis and ingredient composition[c]	$6,000,000	$6,000,000	$6,000,000	$6,000,000	$6,000,000	$30,000,000
Travel[d]	$43,000	$43,000	$43,000	$43,000	$43,000	$215,000
Publications[e]	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
Total	**$7,368,375**	**$7,388,843**	**$7,409,719**	**$7,431,014**	**$7,452,734**	**$37,050,685**

[a]Institutional salary support contributions calculated at 0.10 FTE per committee member (43 committee members) with an average salary of $110,000/year. Technical support is calculated as 0.10 FTE for 25 technicians supporting scientists on the project and an average technical salary of $45,000. Administrative support is calculated as 0.05 (FTE) per year for 43 committee members with an average administrative salary of $45,000/ year. Institutional indirect costs were calculated as 25% of salaries + fringes. Fringe benefits were calculated as 20% of salary. A 2% cost of living adjustment has been included across years.

[b]In-kind institutional support includes support from public institutions and private industry, and includes but is not limited to: products, supplies, and equipment (furniture, computers, office equipment), professional and employee expertise (graphic arts/design, writing/advertising/promotion/marketing, legal assistance, business and financial advice, strategic planning) and other non-specified in-kind support.

[c]Estimated as the value of an additional 200,000 feed analyses added to the data base per year at $30/sample.

[d]Travel in kind support was calculated as 43 scientists as $1000/year for each scientist. Fund sources will vary but include institutional and industry contributions.

[e]Publication in kind support is consists of anticipated industry and professional society support for publications.

Supplementary Table 4. Leverage, Anticipated grant support.

Description	FY2026	FY2027	FY2028	FY2029	FY2030	5 Yr Totals
Grant description						
Postdoctoral grants[a]	$0	$0	$125,000	$250,000	$125,000	$500,000
Conference grants and symposium leveraging[b]	$50,000	$50,000	$75,000	$75,000	$50,000	$300,000
NRCS support	$200,000	$200,000	$200,000	$200,000	$200,000	$1,000,000
Research Grants[c]	$1,075,000	$1,075,000	$10,705,000	$1,075,000	$1,075,000	$15,005,000
Total	**$1,325,000**	**$1,325,000**	**$11,105,000**	**$1,600,000**	**$1,450,000**	**$16,805,000**

[b]Postdoctorals hired onto the project will be encouraged to write postdoctoral fellowship grants to two years of salary funding, travel, publication, and a small amount of operating. This effort will accomplish professional development for the postdoctoral fellow, fund leveraging for the grant, and labor pool multiplication. When postdocs are funded by grants, NANP funds will be used to hire an additional postdoc. Consequently, we plan to leverage 1 postdoc positions into 3.

[c]As symposiums at conferences are a key component of NANP activities, funds will be actively recruited to support these activities. The $50,000 per year represents $30,000 in funded grants annually and another $20,000 in direct support from co-sponsoring professional societies and professional organizations. the additional $25,000 in FY 28 is from anticipated funding support for the planned summit.

[d]These funds represent extramural grant funds secured by members of the NANP team that have emphasis into NANP focus areas. These are funds that support research into key NANP areas and are led by NANP team members. There are currently 43 NANP scientists on the team and the leveraged dollar estimate is likely low. We estimated $25,000/scientist per year. Accurate records should be kept on this type of leveraging and reported annually.

Supplementary Table 5. Multiple mechanisms and sources of funding leveraged by NRSP-9.

NRSP-9's Contribution	Value	Leverage	Partners[a]
Feed composition information on 2,760,000 samples	2,760,000 samples x $30/sample = $82,800,000	Information made publicly accessible represents over $82 million in analytical costs if analyses were conducted and paid for by individuals.	Industry (private, for-profit) NASEM (private, non-profit)
USDA Beltsville data recovered and preserved	$6,240,000[b]	Securing Beltsville chamber data represents the preservation of results from 150,000 research hours.	Agricultural Research Service (government) NASEM (private, non-profit)
Research support to national poultry, swine and dairy nutrition efforts	$900,000	Research support to the NASEM efforts helped leverage $900,000 in sponsor support to establish nutrient requirements for multiple species for use by researchers.	Various industries and professional societies. NASEM (private, non-profit)
Research support for Feed Management activities	$1,500,000	Research support in the area of climate smart feed management.	NRCS Industry (private, for profit).
Professional society workshops and symposia	$100,691	Multiple funded proposals and activities for conference support 2019 to 2024	NIFA/USDA support programs Professional Society support
Total leveraged support:			

[a]Partners contributed the funds or nominal value listed in the Value column.

[b]Estimate based on average wage of $40/h, 25 years of employing 3 full-time researchers at Beltsville; costs of running experiments were not included.

Supplementary Table 6. Publications associated directly with the NRSP-9, National Animal Nutrition Program*

Year	Peer-reviewed print publications	Peer-reviewed on-line video publications	Proceedings Abstracts	On-line guides, white papers
2015	1		7	3
2016	4		6	1
2017	2		6	
2018		1	15	1
2019	3		20	
2020	4			
2021	5			
2022	3			
2023	4			
Total	**26**	**1**	**54**	**5**

* The listing does not include publications of individual committee members related to NRSP-9 objectives that were funded through their institutions.

(https://animalnutrition.org/peer-reviewed-papers)

Supplementary Table 7. Longitudinal website user metrics over 1-month period (June 1-30) in 2019 vs 2024

	Traffic over 1-month period			
Metric	**March 2019**	**June 2024**	**% Change**	**Explanation**
New users (unique)	473	1,355	+186.5	Adding unique users at a significant rate
New user countries	58	95	+63.8	Adding new users from many more countries
New U.S.-based users, % of total new users	51	35	-31.4	Greater visibility of NANP resources within the global nutrition community.
Returning users	104	146	+40.4	More users return to the website repeatedly
Engaged sessions	789	1,318	+67.0	Users are returning to the website for twice as many sessions
Pageviews	2,471	4,813	+94.8	Users are viewing more content each time they return to the website
Pageviews/session	3.13	3.65	+16.6	Decreased rate suggests users are better able to find the content they're looking by visiting fewer pages (i.e., website is easier to navigate)

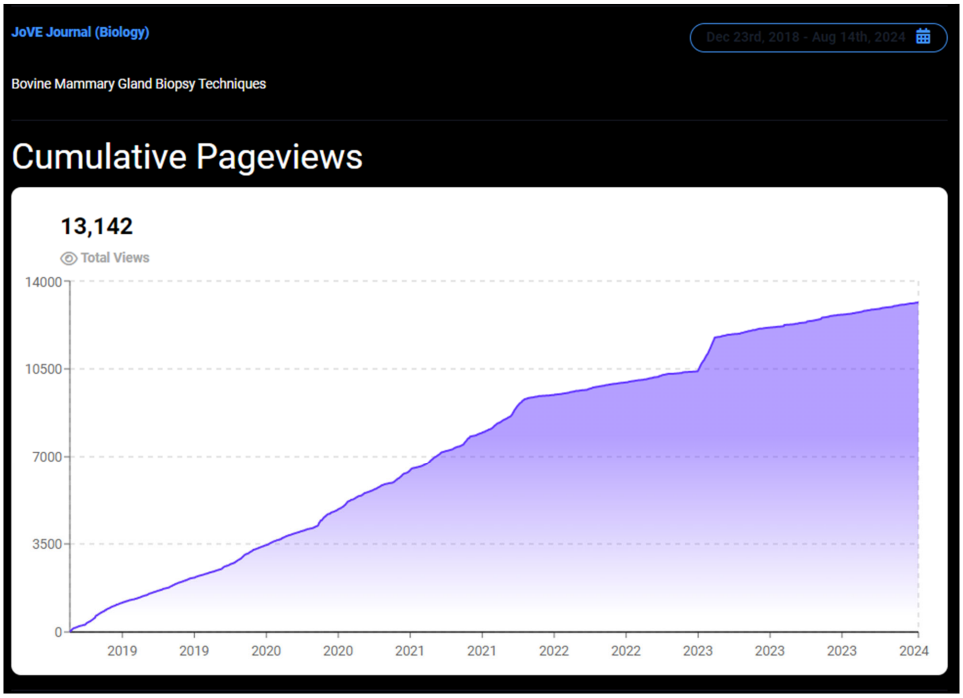

Figure 1. Accelerating impact of the peer-reviewed on-line video publication.

Website Traffic by Country

2018-21
3-yr period

Users from 58 countries

Country	Sessions
United States	20,763
Brazil	2,812
China	1,926
Mexico	1,500
Canada	1,250
Argentina	864
India	837
Turkey	809
Iran	629
France	601

2023-24
1-yr period

Users from 170 countries

	Country	↓ Users	Engaged sessions	Engagement rate
		21,693	20,003	61.37%
1	United States	7,747	6,958	57.81%
2	Mexico	1,366	1,413	68.79%
3	China	978	473	36.13%
4	Brazil	973	932	68.93%
5	Canada	673	593	60.88%
6	India	666	580	62.77%
7	Colombia	637	701	66.57%
8	Indonesia	509	508	70.07%
9	United Kingdom	371	354	66.79%
10	Ecuador	364	384	58.45%

Figure 2. Comparative breakdown for 2018 to 2021 (3 yr) and 2023-2024 (1 yr) of website traffic by country.