



United States  
Department of  
Agriculture

National Institute  
of Food and  
Agriculture



# The Leadership Management Dashboard (LMD) User Guide:

## Goals and Portfolios

**SYSTEM VERSION: 5.0**

**DOCUMENT VERSION: 1.0**

**RELEASE DATE: SEPTEMBER 29, 2014**

## Contact Us:

---

For general questions about this application, or support for the Reporting Portal and Logging in: [electronic@nifa.usda.gov](mailto:electronic@nifa.usda.gov) (Tier 1 support for all users)

### Document Comments:

We value your feedback on this document. Please email your comments to [LMDsupport@nifa.usda.gov](mailto:LMDsupport@nifa.usda.gov). (Tier 2 support for Internal Staff)

Hours: M-F 7AM – 3:30PM

### Troubleshooting for second tier IT Support:

[LMDfeedback@nifa.usda.gov](mailto:LMDfeedback@nifa.usda.gov) (Tier 3 Support)

**This document was created by users for users. We value your feedback! The Planning, Accountability and Reporting Staff (PARS) at NIFA has super-users that may be able to help if you encounter problems:**

Laurie Fortis: [lfortis@nifa.usda.gov](mailto:lfortis@nifa.usda.gov) Falita Liles: [fliles@nifa.usda.gov](mailto:fliles@nifa.usda.gov) or

Bart Hewitt: [bhewitt@nifa.usda.gov](mailto:bhewitt@nifa.usda.gov) (Supervisor)

*Please remember, the data shown in this guide may not be available to the public. This guide is intended for internal use only.*

## User Guide Organization:

Guides are available under the “Help” link. The Basic Navigation Guide shows you the basics of LMD. Every other guide is specific to one “Tab” in LMD, which are listed below. To download the complete Guide, please visit the Intranet site: <http://intranet.nifa.usda.gov/groups/OfficesUnits/OA/PA/Reporting>

Tab	User Guide
General Introduction Guide	1 - Basic Navigation in LMD – User Start Guide v1.0
Acronyms	Acronym List v1.0
Activities	Activities User Guide v1.0
Analyze	Analyze User Guide v1.0
AREERA POW	AREERA POW User Guide v1.0
Awards	Budget and Awards User Guide v1.0
Search	Enterprise Search User Guide – Faceted Search Overview v1.0
Search	Enterprise Search User Guide v1.0
Goals	Goals and Portfolios User Guide v1.0
Portfolios	Goals and Portfolios User Guide v1.0
My Snapshots	My Snapshots User Guide v1.0
State Snapshots	State Snapshots User Guide v1.0
Workload	Workload User Guide v1.0
CRIS Classification Reference	My Snapshots User Guide v1.0

## Goals and Portfolios

The **Goals Summary sub-tab** illustrates NIFA funding (both Reported Expenditure Dollars and Grant Obligation Dollars) for NIFA sponsored projects by USDA Strategic Goals, compared to funding for the same projects from all other sources. This page also provides a drill-through from each Goal to related Objectives, and a further drill-through from each Objective to related Knowledge Areas. The data is organized by Sponsoring Agency and Year (Fiscal Year).

**USDA** **REEIS**  
MEASURING RESULTS

Home Budget Awards Activities My Snapshots State Snapshots AREERA POW Workload **Goals** Portfolios Analyze Search

LMD 5.0 for lfortis@nifa.usda.gov Definitions | Contact Us | Help | Back to Portal | Log Out

### FY 2011 Combined Dollars for NIFA Sponsored Projects by Goal

[Search Saved Pages](#)

*Data Source: Current Research Information System (CRIS)*

This summary illustrates NIFA funding (both Reported Expenditure Dollars and Grant Obligation Dollars) for NIFA sponsored projects by USDA Strategic Goals, compared to funding for the same projects from all other sources. This page also provides a drill-through from each Goal to related Objectives, and a further drill-through from each Objective to related Knowledge Areas. (This data is also available for years 2002-2011.)

**Keywords:** NIFA, Goals, Objectives, Knowledge Areas, Funding

**Filters**

**Sponsoring Agency** includes only

**Year** includes only

**Measure**

[Create New Page](#) [Save as New Page](#)

*Default Page*  
**Share with public?** false

The **Trends sub-tab** shows NIFA funding trends over time, from 2002-present, by USDA Strategic Goals. This page also provides a drill-through from each Goal to related Objectives, and a drill-through from each Objective to related Knowledge Areas.

**USDA** **REEIS**  
MEASURING RESULTS

Home Budget Awards Activities My Snapshots State Snapshots AREERA POW Workload **Goals** Portfolios Analyze Search

LMD 5.0 for lfortis@nifa.usda.gov Definitions | Contact Us | Help | Back to Portal | Log Out

### Goal Trend for NIFA Funded Formula Projects

[Search Saved Pages](#)

*Data Source: Current Research Information System (CRIS)*

This page illustrates NIFA Formula Expenditure trends from 2002-2010 by USDA Strategic Goals. This page also provides a drill-through from each Goal to related Objectives, and a drill-through from each Objective to related Knowledge Areas. (Data is also available in LMD for NIFA non-formula funding trends as well as funding from state and other federal sources.)

**Keywords:** NIFA, Trends, Goals, Objectives, Knowledge Areas, Reported Expenditures

**Year**  To

**Filters**

**Funding Source NIFA Only** includes only

**Measure**  **Aggregation type**

[Create New Page](#) [Save as New Page](#)

*Default Page*  
**Share with public?** false

The **Portfolios Summary and Trends sub-tabs** function exactly the same as the Goals tabs, except NIFA funding is aligned with the NIFA Portfolios instead of the USDA Strategic Plan. [Click here to look at the NIFA Portfolios on the NIFA intranet.](#)

**Data Sources:**

The data for Goals comes from CRIS, and are from the USDA Strategic Plan. [Click here](#) to open the 2014-2018 USDA Strategic Plan in your browser.

**Goals are not up-to-date as of September 23, 2014. Changing objectives from the USDA need to be updated with the Knowledge Areas. [Crosswalk between KAs and the new Objectives is available here.](#)**

**Portfolios are not up-to-date. [Click here to view the crosswalk between KAs and the NIFA Portfolios.](#)**

**Navigation:**

The screenshot shows the USDA REEIS interface. The top navigation bar includes 'Home', 'Budget', 'Awards', 'Activities', 'My Snapshots', 'State Snapshots', 'AREERA POW', 'Workload', 'Goals', 'Portfolios', 'Analyze', and 'Search'. The 'Goals' tab is active, with sub-tabs for 'Summary' and 'Trends'. The page title is 'FY 2011 Combined Dollars for NIFA Sponsored Projects by Goal'. Below the title, there is a 'Data Source: Current Research Information System (CRIS)' section with a 'Search Saved Pages' button. A 'Share with public?' checkbox is set to 'false'. The 'Filters' section includes 'Sponsoring Agency' (includes only NIFA) and 'Year' (includes only 2011). The 'Measure' dropdown is set to 'Combined Dollars'. At the bottom, there are two buttons: 'Create New Page' and 'Save as New Page'. A red arrow points to the 'Create New Page' button.

Click "Create New Page" to start a new analysis.

The screenshot shows the 'Goals - New Summary Page' form. It has a 'Filters' dropdown menu with 'Add a filter...' text, a 'Search Saved Pages' button, a 'Measure' dropdown menu with 'Choose a measure...' text, and a 'Show Results' button.

Choose the "Filters" and "Measure" you want to use ([click here for Measure options](#), or [here for Filter options](#))

Click "Show Results" when finished selecting your Filters and Measures.

The **Trends sub-tab** is similar but is limited by the date range to view the funding trends for the USDA Strategic Plan Goals, from 2002-present. Begin your analysis the same way, by clicking “Create New Page” button.

Choose the range of time you would like to view the data over.

Filters and Measures are the same for this sub-tab as they are for the Summary sub-tab. When finished click “Show Results” to view the funding trends.

Measure:	Definition
Combined Dollars	Both Reported Expenditure Dollars and Grant Obligation Dollars
Reported Expenditure Dollars	Capacity funding reported on the AD-419 from CRIS
Grant Obligation Dollars	Non-Capacity funding from C-REEMS
FTE	Capacity reported full-time equivalents from the AD-419 in CRIS
Project Count	Count of projects meeting the filter criteria

[\(Click here to return to instructions\)](#)

Filters:	Second selection box options	Third selection box options	Filter Choices
Funding Source	NIFA Only	Includes, All Except	Formula Non-formula
Funding Source	All	Includes, All Except	NIFA Other Federal Other Non-Federal Other USDA State Appropriations

			USDA Appropriations
Grantee Location	Country, Region, State, All	Includes, All Except	Country: Foreign or United States Region: North Central, Northeast, Western, Southern, or Unknown.
Grantee Name	NA	Includes, All Except	Institutions can be selected from a list and are grouped by Grantee Type designations in alphabetical order, i.e. 1890, ARS, ERS, EXT, FRST, FS, IND (by State), SAES, SBIR, and VET (see Acronym List under Help)
Grantee Type	Type, Type Code	Includes, All Except	1890, ARS, ERS, EXT, FRST, FS, IND (by State), SAES, SBIR, Unknown and VET (see Acronym List under Help)
Knowledge Area Along Topics	Topic	Includes, All Except	0 – ADMINISTRATION OR UNCLASSIFIED 1 – NATURAL RESOURCES & ENVIRONMENT 2 – PLANTS AND THEIR SYSTEMS 3 – ANIMALS AND THEIR SYSTEMS 4 – ENGINEERING AND SUPPORT SYSTEMS 5 – FOOD AND NON-FOOD PRODUCTS: DEVELOPMENT, PROCESSING, QUALITY, AND DELIVERY 6 – ECONOMICS, MARKETS, AND POLICY 7 – HUMAN NUTRITION, FOOD SAFETY, AND HUMAN HEALTH AND WELL-BEING 8 – FAMILY AND COMMUNITY SYSTEMS 9 – RESEARCH SUPPORT, ADMINISTRATION, AND COMMUNICATION
Knowledge Area Along Topics	Category	Includes, All Except	00 - ADMINISTRATION 10 – SOIL 11 – WATER 12 – FOREST AND RANGE RESOURCES 13 – NATURAL RESOURCES, GENERAL 14 – AIR 20 – PLANT PRODUCTION 21 – PLANT PROTECTION 30 – ANIMAL PRODUCTION 31 – ANIMAL PROTECTION 40 – ENGINEERING AND SUPPORT SYSTEMS 50 – FOOD PRODUCTS, PROCESSING, QUALITY 51 – NON-FOOD PRODUCTS, PROCESSING, QUALITY 60 – ECONOMICS, MARKETS, AND POLICY 61 – POLICY 70 – HUMAN NUTRITION 71 – FOOD SAFETY 72 – HUMAN HEALTH 80 – FAMILY AND COMMUNITY SYSTEMS 90 – RESEARCH SUPPORT, ADMINISTRATION AND COMMUNICATION

			99 - UNCLASSIFIED
Knowledge Area Along Goals	Goal	Includes, All Except	0 - UNASSIGNED 1 - ASSIST RURAL COMMUNITIES TO CREATE PROSPERITY SO THEY ARE SELF-SUSTAINING, REPOPULATING, AND ECONOMICALLY THRIVING 2 - ENSURE OUR NATIONAL FORESTS AND PRIVATE WORKING LANDS ARE CONSERVED, RESTORED, AND MADE MORE RESILIENT TO CLIMATE CHANGE, WHILE ENHANCING OUR WATE 3 - HELP AMERICA PROMOTE AGRICULTURAL PRODUCTION AND BIOTECHNOLOGY EXPORTS AS AMERICA WORKS TO INCREASE FOOD SECURITY 4 - ENSURE THAT ALL OF AMERICA’S CHILDREN HAVE ACCESS TO SAFE, NUTRITIOUS, AND BALANCED MEALS
Knowledge Area Along Goals	Objective	Includes, All Except	0 - Unassigned 1.1 - Enhance Rural Prosperity 1.2 - Create Thriving Communities 1.3 - Support a Sustainable and Competitive Agricultural System 2.1 - Restore and Conserve the Nation 2.2 - Lead Efforts to Mitigate and Adapt to Climate 2.3 - Protect and Enhance America's Water 2.4 - Reduce Risk from Catastrophic Wildfire and Restore Fire to its Appropriate Place on the Landscape 3.1 - Ensure U.S. Agricultural Resources Contribute to Enhanced Global Food Security 3.2 Enhance America 3.3 Support Sustainable Agriculture Production in Food-Insecure Nations. 4.1 - Increase Access to Nutritious Food 4.2 - Promote Healthy Diet and Physical Activity 4.3 - Protect Public Health by Ensuring Food is Safe 4.4 - Protect Agricultural Health by Minimizing Major Diseases and Pests to Ensure Access to Safe, Plentiful, and Nutritious Food
Knowledge Area Along Goals	All	Includes, All Except	001 -Administration 101 -Appraisal of Soil Resources 102 -Soil, Plant, Water, Nutrient Relationships 103 -Management of Saline and Sodic Soils and Salinity 104- Protect Soils from Harmful Effects of Natural Elements 111 -Conservation and Efficient Use of Water 112- Watershed Protection and Management 121- Management of Range Resources 122 - Management and Control of Forest and Range

		<p>Fires</p> <p>123 - Management and Sustainability of Forest Resources</p> <p>124 - Urban Forestry</p> <p>125 – Agroforestry</p> <p>131 - Alternative Uses of Land</p> <p>132 - Weather and Climate</p> <p>133 - Pollution Prevention and Mitigation</p> <p>134 - Outdoor Recreation</p> <p>135 - Aquatic and Terrestrial Wildlife</p> <p>136 - Conservation of Biological Diversity</p> <p>141 - Air Resource Protection and Management</p> <p>201 - Plant Genome, Genetics, and Genetic Mechanisms</p> <p>202 - Plant Genetic Resources</p> <p>203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants</p> <p>204 - Plant Product Quality and Utility (Preharvest)</p> <p>205 - Plant Management Systems</p> <p>206 - Basic Plant Biology</p> <p>211 - Insects, Mites, and Other Arthropods Affecting Plants</p> <p>212 - Pathogens and Nematodes Affecting Plants</p> <p>213 - Weeds Affecting Plants</p> <p>214 - Vertebrates, Mollusks, and Other Pests Affecting Plants</p> <p>215 - Biological Control of Pests Affecting Plants</p> <p>216 - Integrated Pest Management Systems</p> <p>301 - Reproductive Performance of Animals</p> <p>302 - Nutrient Utilization in Animals</p> <p>303 - Genetic Improvement of Animals</p> <p>304 - Animal Genome</p> <p>305 - Animal Physiological Processes</p> <p>306 - Environmental Stress in Animals</p> <p>307 - Animal Management Systems</p> <p>308 - Improved Animal Products (Before Harvest)</p> <p>311 - Animal Diseases</p> <p>312 - External Parasites and Pests of Animals</p> <p>313 - Internal Parasites in Animals</p> <p>314 - Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals</p> <p>315 - Animal Welfare/Well-Being and Protection</p> <p>401 - Structures, Facilities, and General Purpose Farm Supplies</p> <p>402 - Engineering Systems and Equipment</p> <p>403 - Waste Disposal, Recycling, and Reuse</p> <p>404 - Instrumentation and Control Systems</p> <p>405 - Drainage and Irrigation Systems and Facilities</p>
--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

		<p>501 - New and Improved Food Processing Technologies</p> <p>502 - New and Improved Food Products</p> <p>503 - Quality Maintenance in Storing and Marketing Food Products</p> <p>504 - Home and Commercial Food Service</p> <p>511 - New and Improved Non-Food Products and Processes</p> <p>512 - Quality Maintenance in Storing and Marketing Non-Food Products</p> <p>601 - Economics of Agricultural Production and Farm Management</p> <p>602 - Business Management, Finance, and Taxation</p> <p>603 - Market Economics</p> <p>604 - Marketing and Distribution Practices</p> <p>605 - Natural Resource and Environmental Economics</p> <p>606 - International Trade and Development</p> <p>607 - Consumer Economics</p> <p>608 - Community Resource Planning and Development</p> <p>609 - Economic Theory and Methods</p> <p>610 - Domestic Policy Analysis</p> <p>611 - Foreign Policy and Programs</p> <p>701 - Nutrient Composition of Food</p> <p>702 - Requirements and Function of Nutrients and Other Food Components</p> <p>703 - Nutrition Education and Behavior</p> <p>704 - Nutrition and Hunger in the Population</p> <p>711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources</p> <p>712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins</p> <p>721 - Insects and Other Pests Affecting Humans</p> <p>722 - Zoonotic Diseases and Parasites Affecting Humans</p> <p>723 - Hazards to Human Health and Safety</p> <p>724 - Healthy Lifestyle</p> <p>801 - Individual and Family Resource Management</p> <p>802 - Human Development and Family Well-Being</p> <p>803 - Sociological and Technological Change Affecting Individuals, Families, and Communities</p> <p>804 - Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures</p> <p>805 - Community Institutions, Health, and Social Services</p>
--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

			806 - Youth Development 901 - Program and Project Design, and Statistics 902 - Administration of Projects and Programs 903 - Communication, Education, and Information Delivery 990 –Unclassified
Multistate Project Number	NA	Includes, All Except	Format example: NC-00205 All multistate project numbers are available to choose from.
Grant Program	Program Area	Includes, All Except	9008, AFRI, AHFP, AHSI, ARPA, BFR, BRAP, CBGP, CBPR, CFP, CGP, CIP, COOP, EA1445, EF47, EFSQ, ERRD, ES, EXCA, F4HN, FADM, FAES, FANEP, FAPR, FBMB, FFRA, HATCH, HEMS, HEP, HSI, HUFED, ICGP, IFAFS, MSCFR, N/A, NLGCA, NRI, OBP, OP, RHSE, RIGP, RIPM, RTP, SAECP, SBIR, SCRI, SERDIP, SGP, SLBCD, SRGP, TBA, TCEG, TCRGP, UNKNOWN, WAMS
Grant Program	All	Includes, All Except	All Program Codes are available to choose from
Portfolio	NA	Includes, All Except	0 – (Portfolio not assigned) 1 - Bioenergy 2 - Climate Change 3 – Education/Multicultural Alliances 4 – Environmental Systems 5 – Family and Consumer Sciences 6 – Food Safety & Food Sciences 7 – Human Nutrition 8 – International Programs 9 – Sustainable Agricultural Systems 10 – Youth Development 11 - Supports All Portfolios
Science (FOS)	Category	Includes, All Except	Administration, Biological, Physical, Social and Behavioral, Unclassified (these are the FOS groups)
Science (FOS)	All	Includes, All Except	0001 Administration <b>Biological</b> 1000 Biochemistry and biophysics 1010 Nutrition and metabolism 1020 Physiology 1030 Cellular biology 1040 Molecular biology 1050 Developmental biology 1060 Biology (whole systems) 1070 Ecology 1080 Genetics 1081 Breeding (updated 2013, previously contained in 1080)

			1090 Immunology 1100 Bacteriology 1101 Virology 1102 Mycology 1103 Other microbiology (includes protozoology, phycology, etc.) 1110 Parasitology 1120 Nematology 1130 Entomology and acarology 1140 Weed science (noxious, invasive, and introduced) 1150 Toxicology 1160 Pathology 1170 Epidemiology 1180 Pharmacology 1190 Limnology <b>Physical</b> 2000 Chemistry 2010 Physics 2020 Engineering 2030 Geology 2040 Mineralogy 2050 Hydrology 2060 Geography 2061 Pedology 2070 Meteorology and climatology 2080 Mathematics and computer sciences 2090 Statistics, econometrics, and biometrics <b>Social and Behavioral</b> 3000 Anthropology 3010 Economics 3020 Education 3030 Information and communication 3040 History 3050 Law 3060 Political science 3070 Psychology 3080 Sociology 3090 Sensory science (human senses) 3100 Management 3110 Art and architecture 3111 Landscape architecture 9900 Unclassified
Sponsoring Agency	NA	Includes, All Except	ARS, ERS, FS, NIFA, Other
State	NA	Includes, All Except	List of States
Subject (SOI)	Topic	Includes,	0 – Administration

		All Except	<ul style="list-style-type: none"> <li>1 – Natural Resources and their Products</li> <li>2 – Plants and their Products</li> <li>3 – Animals and their Products</li> <li>4 – Food and Manufactured Resources</li> <li>5 – Other Technologies</li> </ul>
Subject (SOI)	Category (Presented in the same order as in LMD)	Includes, All Except	<ul style="list-style-type: none"> <li>0 – Administration</li> <li>10 – Tropical/Subtropical Fruit</li> <li>11 – Deciduous and Small Fruits</li> <li>12 – Edible Tree Nuts</li> <li>13 – Potato</li> <li>14 – Vegetables</li> <li>15 – Grain Crops</li> <li>16 – Pasture and Forage Crops</li> <li>17 – Fiber Crops</li> <li>18 – Oilseed and Oil Crops</li> <li>19 – Tobacco</li> <li>1 – Soil and Land</li> <li>20 – Sugar Crops</li> <li>21 – Ornamentals and Turf</li> <li>22 – Miscellaneous and New Crops</li> <li>23 – Weeds</li> <li>24 – Plants</li> <li>2 – Water</li> <li>30 – Bees, Honey, and Other Pollinators</li> <li>31 – Invertebrates</li> <li>32 – Poultry</li> <li>33 – Beef Cattle</li> <li>34 – Dairy Cattle</li> <li>35 – Swine</li> <li>36 – Sheep and Wool</li> <li>37 – Cultured Aquatic Animals</li> <li>38 – Other Animals</li> <li>39 – Animals</li> <li>40 – Microorganisms</li> <li>4 – Atmosphere</li> <li>50 – Food (not readily associated with specific plant and animal products)</li> <li>51 – Clothing and Textiles</li> <li>52 – Agricultural Supplies</li> <li>53 – Structures, Facilities, and Equipment</li> <li>5 – Recreational Resources</li> <li>60 – People and communities</li> <li>61 – Economy</li> <li>62 – Marketing</li> <li>6 – Trees, Forests, and Forest Products (except edible tree nut crops)</li> <li>70 – Biological Cell Systems</li> <li>71 - Research on Research Management</li> </ul>

			72 – Research Equipment and Methods 73 – Experimental Design and Statistical Methods 74 – General Technology 7 – Rangelands and Grasslands 8 – Wildlife and Natural Fisheries Management, Endangered Species 99 – Unclassified 9 - Citrus
Subject (SOI)	All	Includes, All Except	0001 Administration 0110 Soil 0120 Land 0199 Soil and land, general 0210 Water resources 0310 River basins 0320 Watersheds 0330 Wetland and riparian systems 0399 Watersheds and river basins, general 0410 Air 0420 Weather 0430 Climate 0440 Solar radiation 0499 Atmosphere, general/other 0510 Wilderness 0520 Campgrounds and picnic areas 0530 Parks and urban green space 0599 Recreational resources, general/other 0610 Conifer forests of the North 0611 Conifer forests of the South 0612 Conifer forests of the West 0613 Mixed conifer-broadleaf forests 0620 Broadleaf forests of the North 0621 Broadleaf forests of the South 0622 Broadleaf forests of the West 0630 Chaparral and shrub lands 0640 Tropical forests 0650 Wood and wood products 0660 Paper and pulp derived products 0670 Short rotation woody crops, including holiday trees 0680 Other products of the forest 0699 Trees, forests, and forest products, general 0710 Desert and semidesert shrub land and shinnery 0720 Pinyon-juniper 0730 Mountain grasslands, meadow, and alpine 0780 Grasslands, other 0790 Rangelands, other 0799 Rangelands and grasslands, general 0810 Finfish

			0811 Shellfish 0812 Fish habitats 0819 Natural fisheries, other 0820 Wild birds 0830 Wild animals 0840 Fur-bearing animals 0850 Wildlife habitats 0860 Endangered species 0899 Wildlife and natural fisheries, general/other 0910 Grapefruit 0920 Orange 0930 Lemon 0999 Citrus, general/other 1010 Banana 1020 Pineapple 1030 Papaya 1040 Mango 1050 Date 1060 Kiwi 1099 Tropical/subtropical fruit, general/other 1110 Apple 1111 Apricot 1112 Cherry 1113 Nectarine 1114 Peach 1115 Pear 1116 Plum 1119 Deciduous tree fruits, general/other 1120 Blueberry 1121 Cranberry 1122 Strawberry 1123 Raspberry 1129 Berries and cane fruits, general/other 1130 Table grapes 1131 Wine grapes 1132 Raisin grapes 1139 Grapes, general/other 1199 Deciduous and small fruits, general/other 1210 Filbert 1211 Pecan 1212 Almond 1213 Walnut 1219 Edible tree nuts, general/other 1310 <b>Potato</b> 1410 Beans (dry) 1411 Beans (fresh, fresh-processed) 1412 Peas (dry) 1413 Peas (fresh, fresh-processed)
--	--	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

			1414 Lentil 1419 Leguminous vegetables, general/other 1420 Melons (includes cantaloupe, muskmelon, watermelon) 1421 Cucumber 1429 Cucurbits, other (includes pumpkin, squash, gourd) 1430 Greens and leafy vegetables (includes endive, lettuce, spinach, turnip greens, celery, rhubarb, parsley, asparagus) 1440 Cole crops (includes cabbage, kale, broccoli, brussels sprouts, cauliflower, kohlrabi) 1450 Sweet potato 1451 Onion, garlic, leek, shallot 1452 Carrot 1453 Yam 1454 Taro 1455 Cassava (or manioc) 1459 Rhizomes, tubers, bulbs, and root crops, general/other (for potato use 1310) 1460 Tomato 1461 Peppers 1462 Eggplant 1469 Solanaceous and related crops, general/other (for potato use 1310) 1470 Mushrooms and other edible fungi 1480 Sweetcorn 1499 Vegetables, general/other 1510 Corn (for sweetcorn use 1480) 1511 Popcorn 1520 Grain sorghum 1530 Rice 1540 Hard red winter wheat 1541 Hard red spring wheat 1542 Soft red wheat 1543 Soft white wheat (includes club, western) 1544 Hard white wheat 1545 Durum wheat 1549 Wheat, general/other 1550 Barley 1560 Oats 1570 Rye 1599 Grain crops, general/other (includes buckwheat, millet, triticale) 1610 Pasture 1620 Warm season perennial grasses (includes dallisgrass, bluestems, bermudagrass) 1621 Cool season perennial grasses (includes
--	--	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

		<p>bluegrass, brome grass, fescue, orchardgrass, perennial ryegrass, timothy, wheatgrass)</p> <p>1629 Perennial grasses, other</p> <p>1630 Summer annual grasses (includes forage sorghums, sudangrass, sorghumsudangrass hybrids)</p> <p>1631 Winter annual grasses (includes annual ryegrass)</p> <p>1639 Annual grasses, other</p> <p>1640 Alfalfa</p> <p>1641 Trefoil</p> <p>1642 Red clover</p> <p>1643 Crownvetch</p> <p>1644 Winter annual legumes (includes subterranean clover, arrowleaf clover)</p> <p>1649 Forage legumes, general/other</p> <p>1699 Pasture and forage crops, general/other</p> <p>1710 Upland cotton</p> <p>1711 Long fiber cotton</p> <p>1719 Cotton, other</p> <p>1720 Kenaf</p> <p>1730 Hemp</p> <p>1740 Ramie</p> <p>1750 Agave</p> <p>1799 Fiber crops, general/other</p> <p>1810 Cottonseed (for meal, oil, etc.)</p> <p>1820 Soybean</p> <p>1830 Peanut</p> <p>1840 Castor</p> <p>1841 Crambe</p> <p>1842 Flax</p> <p>1843 Safflower</p> <p>1844 Sunflower</p> <p>1845 Jojoba</p> <p>1846 Coconut</p> <p>1847 Palm</p> <p>1848 Canola</p> <p>1849 Cuphea</p> <p>1850 Lesquerella</p> <p>1851 Meadowfoam</p> <p>1852 Rape</p> <p>1853 Sesame</p> <p>1854 Chinese tallow</p> <p>1855 Tung</p> <p>1899 Oilseed and oil crops, general/other</p> <p>1910 Flue-cured tobacco</p> <p>1920 Burley tobacco</p> <p>1930 Cigar-type tobacco</p> <p>1999 Tobacco, general/other</p>
--	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

		2010 Sugar beet 2020 Sugar cane 2030 Sweet sorghum 2099 Sugar crops, general/other 2110 Ornamental trees and shrubs 2120 Herbaceous perennials and decorative greens 2121 Cut flowers, foliage, and greens 2122 Potted plants 2123 Bedding/garden plants 2129 Florist crops, other 2130 Turf (includes bentgrass, bermudagrass, bluegrass, dichondra, fescue, ryegrass, zoysia) 2140 Ground covers 2150 Aquatic plants 2160 Arboreta and botanical gardens 2199 Ornamentals and turf, general/other (includes cacti) 2210 Chemurgic crops 2220 Medicinal crops, non-narcotic 2221 Narcotic plants 2230 Hops 2231 Mint 2232 Coffee 2233 Cocoa 2234 Tea 2235 Herbs and spices 2239 Flavoring and beverage plants, general/other 2240 Guayule 2241 Hevea 2242 Gums 2249 Rubber, gum, and resin plants, general/other 2299 Miscellaneous and new crops, general/other 2300 <b>Weeds</b> 2410 Cross-commodity research--multiple crops 2420 Noncrop plant research 2499 Plant research, general 3010 Honey bees 3020 Honey and honey products 3030 Non-honey apiary products 3090 Other Pollinators 3099 Bees, honey, and other pollinators, general 3110 Insects 3120 Spiders, mites, ticks, and other arthropods 3130 Nematodes 3199 Invertebrates, general/other 3210 Egg-type chicken, live animal 3220 Meat-type chicken, live animal 3230 Turkey, live animal
--	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

			3240 Duck and goose, live animal 3250 Ratites (e.g., ostrich, emu, rhea), live animal 3260 Poultry meat 3270 Eggs 3280 Other poultry products 3299 Poultry, general/other 3310 Beef cattle, live animal 3320 Meat, beef cattle 3330 Other beef cattle products 3399 Beef cattle, general/other 3410 Dairy cattle, live animal 3420 Butter 3430 Cheese 3440 Meat, dairy cattle 3450 Milk 3460 Ice cream 3470 Other dairy cattle products 3499 Dairy cattle, general/other 3510 Swine, live animal 3520 Meat, swine 3530 Other swine products 3599 Swine, general/other 3610 Sheep, live animal 3620 Meat, sheep 3630 Wool fiber 3699 Sheep and wool, general/other 3710 Catfish 3711 Trout 3712 Salmon 3713 Striped bass 3714 Tilapia 3715 Baitfish (minnows and shiners) 3716 Ornamental finfish 3719 Other cultured finfish 3720 Crawfish 3721 Marine shrimp 3722 Freshwater shrimp 3723 Oysters 3724 Clams and mussels 3725 Ornamental shellfish 3729 Other cultured shellfish 3799 Cultured aquatic animals, general/other 3810 Horses, ponies, and mules 3820 Goats, meat and mohair 3830 Pets (companion animals) 3840 Laboratory animals 3899 Other animals, general 3910 Cross-commodity research--multiple animal
--	--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

			<p>species</p> <p>3999 Animal research, general</p> <p>4010 Bacteria</p> <p>4020 Fungi (includes yeast)</p> <p>4030 Viruses</p> <p>4040 Viroids, mycoplasmas, spiroplasmas, etc.</p> <p>4050 Protozoa</p> <p>4099 Microorganisms, general/other</p> <p>5010 <b>Food</b> (not readily associated with specific plant and animal products)</p> <p>5110 Clothing/apparel</p> <p>5120 Textiles</p> <p>5199 Clothing and textiles, general</p> <p>5210 Fertilizers</p> <p>5220 Pesticides (includes herbicides, insecticides, fungicides, etc.)</p> <p>5230 Feed and feed additives</p> <p>5240 Seeds and other plant propagules</p> <p>5299 Agricultural supplies, general/other</p> <p>5310 Machinery and equipment</p> <p>5320 Houses (human residences), furniture, household equipment, non-textile furnishings</p> <p>5330 Farm structures and related facilities</p> <p>5340 Nonfarm structures and related facilities, including those used in marketing, storing, processing, and distributing functions, and for recreational uses</p> <p>5350 Domestic and community water supply facilities and systems</p> <p>5360 Drainage and irrigation facilities and systems</p> <p>5370 Sewage and waste disposal facilities and systems</p> <p>5399 Structures, facilities, and equipment, general/other</p> <p>6010 Individuals (as workers, consumers, members of society)</p> <p>6020 The family and its members</p> <p>6030 The farm as an enterprise</p> <p>6040 Real estate</p> <p>6050 Communities, areas, and regions, including states and their institutions and organizations</p> <p>6099 People and communities, general/other</p> <p>6110 Economy of the United States and sectors thereof</p> <p>6120 International economy and sectors thereof</p> <p>6199 Economy, general/other</p>
--	--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

			6210 Farmer cooperatives 6220 Marketing, processing, and supply firms other than cooperatives 6230 Marketing systems and sectors thereof 6299 Marketing, general/other 7010 Biological Cell Systems 7110 Research on research management (not research management per se) 7210 Remote sensing equipment and technology 7220 Sensory evaluation/analysis methods (human senses) 7299 Research equipment and methods, general/other 7310 Experimental design and statistical methods 7410 General technology 9900 Unclassified
Year	NA	Includes, Except	2002 – 2012 are available (closed out data)

[\(Click here to return to instructions\)](#)

# Crosswalk between USDA Strategic Goals and Objectives and Knowledge Area Classification

[\(Click here to return to the top of the instructions\)](#)

## STRATEGIC GOAL 1: ASSIST RURAL COMMUNITIES TO CREATE PROSPERITY SO THEY ARE SELF-SUSTAINING, REPOPULATING, AND ECONOMICALLY THRIVING

### Objective 1.1 – Enhance Rural Prosperity, Including Leveraging Capital Markets to Increase the Government’s Investment in Rural America

- 134. Outdoor Recreation (*Environmental Systems*)
- 504. Home and Commercial Food Service (*Food Safety*)
- 601. Economics of Agricultural Production and Farm Management (*Family and Consumer Sciences*)
- 602. Business Management, Finance, and Taxation (*Sustainable Agricultural Systems*)
- 603. Market Economics (*Sustainable Agricultural Systems*)
- 604. Marketing and Distribution Practices (*Sustainable Agricultural Systems*)
- 607. Consumer Economics (*Family and Consumer Sciences*)
- 608. Community Resource Planning and Development (*Family and Consumer Sciences*)
- 609. Economic Theory and Methods (*Sustainable Agricultural Systems*)
- 610. Domestic Policy Analysis (*Sustainable Agricultural Systems*)
- 721. Insects and Other Pests Affecting Humans (*Sustainable Agricultural Systems*)
- 722. Zoonotic Diseases and Parasites Affecting Humans (*Sustainable Agricultural Systems*)
- 801. Individual and Family Resource Management (*Family and Consumer Sciences*)
- 802. Human Development and Family Well-Being (*Family and Consumer Sciences*)
- 803. Sociological and Technological Change Affecting Individuals, Families, and Communities (*Family and Consumer Sciences*)
- 804. Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures (*Family and Consumer Sciences*)
- 805. Community Institutions, Health, and Social Services (*Family and Consumer Sciences*)
- 806. Youth Development (*Youth Development*)

### Objective 1.2 – Increase agricultural opportunities by ensuring a robust safety net, creating new markets, and supporting a competitive agricultural system.

- 201. Plant Genome, Genetics, and Genetic Mechanisms (*Sustainable Agricultural Systems*)
- 202. Plant Genetic Resources (*Sustainable Agricultural Systems*)
- 203. Plant Biological Efficiency and Abiotic Stresses Affecting Plants (*Sustainable Agricultural Systems*)
- 204. Plant Product Quality and Utility (Preharvest) (*Sustainable Agricultural Systems*)
- 205. Plant Management Systems (*Sustainable Agricultural Systems*)
- 206. Basic Plant Biology (*Sustainable Agricultural Systems*)
- 301. Reproductive Performance of Animals (*Sustainable Agricultural Systems*)
- 302. Nutrient Utilization in Animals (*Sustainable Agricultural Systems*)
- 303. Genetic Improvement of Animals (*Sustainable Agricultural Systems*)
- 304. Animal Genome (*Sustainable Agricultural Systems*)
- 305. Animal Physiological Processes (*Sustainable Agricultural Systems*)

- 306. Environmental Stress in Animals (*Sustainable Agricultural Systems*)
- 307. Animal Management Systems (*Sustainable Agricultural Systems*)
- 308. Improved Animal Products (Before Harvest) (*Sustainable Agricultural Systems*)
- 401. Structures, Facilities, and General Purpose Farm Supplies (*Sustainable Agricultural Systems*)
- 402. Engineering Systems and Equipment (*Sustainable Agricultural Systems*)
- 404. Instrumentation and Control Systems (*Sustainable Agricultural Systems*)
- 501. New and Improved Food Processing Technologies (*Food Safety*)
- 502. New and Improved Food Products (*Food Safety*)
- 503. Quality Maintenance in Storing and Marketing Food Products (*Food Safety*)
- 901. Program and Project Design, and Statistics (*All Portfolios*)
- 902. Administration of Projects and Programs (*All Portfolios*)
- 903. Communication, Education, and Information Delivery (*Education/Multicultural Alliances*)

**Objective 1.3 - Contribute to the expansion of the bioeconomy by supporting development, production, and consumption of renewable energy and biobased products.**

- 511. New and Improved Non-Food Products and Processes (*Bioenergy*)
- 512. Quality Maintenance in Storing and Marketing Non-Food Products (*Bioenergy*)

**STRATEGIC GOAL 2: ENSURE OUR NATIONAL FORESTS AND PRIVATE WORKING LANDS ARE CONSERVED, RESTORED, AND MADE MORE RESILIENT TO CLIMATE CHANGE, WHILE ENHANCING OUR WATER RESOURCES**

**Objective 2.1 – Improve the health of the Nation’s forests, grasslands and working lands by managing our natural resources.**

- 121. Management of Range Resources (*Environmental Systems*)
- 123. Management and Sustainability of Forest Resources (*Environmental Systems*)
- 124. Urban Forestry (*Environmental Systems*)
- 125. Agroforestry (*Environmental Systems*)
- 131. Alternative Uses of Land (*Environmental Systems*)
- 605. Natural Resource and Environmental Economics (*Environmental Systems*)

**Objective 2.2 – Lead Efforts to mitigate and adapt to climate change, drought, and extreme weather in agriculture and forestry.**

- 132. Weather and Climate (*Environmental Systems*)
- 133. Pollution Prevention and Mitigation (*Environmental Systems*)
- 135. Aquatic and Terrestrial Wildlife (*Environmental Systems*)
- 136. Conservation of Biological Diversity (*Environmental Systems*)
- 141. Air Resource Protection and Management (*Environmental Systems*)
- 403. Waste Disposal, Recycling, and Reuse (*Environmental Systems*)

**Objective 2.3 – Contribute to clean and abundant water by protecting and enhancing water resources on national forests and working lands.**

- 101. Appraisal of Soil Resources (*Environmental Systems*)
- 102. Soil, Plant, Water, Nutrient Relationships (*Environmental Systems*)
- 103. Management of Saline and Sodic Soils and Salinity (*Environmental Systems*)
- 104. Protect Soil from Harmful Effects of Natural Elements (*Environmental Systems*)
- 111. Conservation and Efficient Use of Water (*Environmental Systems*)
- 112. Watershed Protection and Management (*Environmental Systems*)
- 405. Drainage and Irrigation Systems and Facilities (*Environmental Systems*)

**Objective 2.4 – Reduce Risk of Catastrophic Wildfire**

- 122. Management and Control of Forest and Range Fires (*Environmental Systems*)

**STRATEGIC GOAL 3: HELP AMERICA PROMOTE AGRICULTURAL PRODUCTION AND BIOTECHNOLOGY EXPORTS AS AMERICA WORKS TO INCREASE FOOD SECURITY**

- 606. International Trade and Development (*International Programs*)
- 611. Foreign Policy and Programs (*International Programs*)

**Objective 3.1 – Ensure U.S. Agricultural Resources Contribute to Enhanced Global Food Security**

**Objective 3.2 – Enhance America’s Ability to Develop and Trade Agricultural Products Derived from New Technologies**

**STRATEGIC GOAL 4: ENSURE THAT ALL OF AMERICA’S CHILDREN HAVE ACCESS TO SAFE, NUTRITIOUS, AND BALANCED MEALS**

**Objective 4.1 – Increase Access to Nutritious Food**

- 701. Nutrient Composition of Food (*Human Nutrition*)
- 702. Requirements and Function of Nutrients and Other Food Components (*Human Nutrition*)

**Objective 4.2 – Promote Healthy Diet and Physical Activity Behaviors**

- 703. Nutrition Education and Behavior (*Human Nutrition*)
- 704. Nutrition and Hunger in the Population (*Human Nutrition*)
- 723. Hazards to Human Health and Safety (*Family and Consumer Sciences*)
- 724. Healthy Lifestyle (*Family and Consumer Sciences*)

### **Objective 4.3 – Protect Public Health by Ensuring Food is Safe**

- 711. Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources (*Food Safety*)
- 712. Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins (*Food Safety*)

### **Objective 4.4 – Protect Agricultural Health by Minimizing Major Diseases and Pests to Ensure Access to Safe, Plentiful, and Nutritious Food**

- 211. Insects, Mites, and Other Arthropods Affecting Plants (*Sustainable Plant Systems*)
- 212. Pathogens and Nematodes Affecting Plants (*Sustainable Plant Systems*)
- 213. Weeds Affecting Plants (*Sustainable Plant Systems*)
- 214. Vertebrates, Mollusks, and Other Pests Affecting Plants (*Sustainable Plant Systems*)
- 215. Biological Control of Pests Affecting Plants (*Sustainable Plant Systems*)
- 216. Integrated Pest Management Systems (*Sustainable Plant Systems*)
- 311. Animal Diseases (*Sustainable Animal Systems*)
- 312. External Parasites and Pests of Animals (*Sustainable Animal Systems*)
- 313. Internal Parasites in Animals (*Sustainable Animal Systems*)
- 314. Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals (*Sustainable Animal Systems*)
- 315. Animal Welfare/Well-Being and Protection (*Sustainable Animal Systems*)

[\(Click here to return to the top of the instructions\)](#)

## Crosswalk between Knowledge Areas and NIFA Portfolios:

Return to [Filters](#)

### All Portfolios

---

901: Program and Project Design, and Statistics

902: Administration of Projects and Programs

### Bioenergy

---

511: New and Improved Non-food Products and Processes

512: Quality Maintenance in Storing and Marketing Non-Food Products

### Climate Change

---

132: Weather and Climate

### Education/Multicultural Alliances

---

903: Communication, Education, and Information Delivery

### Environmental Systems

---

101: Appraisal of Soil Resources

102: Soil, Plant, Water, Nutrient Relationships

103: Management of Saline and Sodic Soils and Salinity

104: Protect Soil from Harmful Effects of Natural Elements

111: Conservation and Efficient Use of Water

112: Watershed Protection and Management

121: Management of Range Resources

122: Management and Control of Forest and Range Fires

123: Management and Sustainability of Forest Resources

124: Urban Forestry

125: Agroforestry

131: Alternative Uses of Land

133: Pollution Prevention and Mitigation

134: Outdoor Recreation

135: Aquatic and Terrestrial Wildlife

136: Conservation of Biological Diversity

141: Air Resource Protection and Management

403: Waste Disposal, Recycling, and Reuse

405: Drainage and Irrigation Systems and Facilities

605: Natural Resource and Environmental Economics

### Family and Consumer Sciences

---

601: Economics of Agricultural Production and Farm Management

607: Consumer Economics

608: Community Resource Planning and Development

723: Hazards to Human Health and Safety

724: Healthy Lifestyle

801: Individual and Family Resource Management

802: Human Development and Family Well-Being

803: Sociological and Technological Change Affecting Individuals, Families and Communities  
804: Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures

805: Community Institutions, Health, and Social Services

### **Food Safety**

---

501: New and Improved Food Processing Technologies

502: New and Improved Food Products

503: Quality Maintenance in Storing and Marketing Food Products

504: Home and Commercial Food Service

711: Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Food Sources

712: Protect Food from Contamination by Pathogenic Microorganisms, Parasites and Naturally Occurring Toxins

### **Human Nutrition**

---

701: Nutrient Composition of Food

702: Requirements and Function of Nutrients and Other Food Components

703: Nutrition Education and Behavior

704: Nutrition and Hunger in the Population

### **International Programs**

---

606: International Trade and Development

611: Foreign Policy and Programs

### **Sustainable Agricultural Systems**

---

201: Plant Genome, Genetics, and Genetic Mechanisms

202: Plant Genetic Resources

203: Plant Biological Efficiency and Abiotic Stresses Affecting Plants

204: Plant Product Quality and Utility (Preharvest)

205: Plant Management Systems

206: Basic Plant Biology

211: Insects, Mites, and Other Arthropods Affecting Plants

212: Pathogens and Nematodes Affecting Plants

213: Weeds Affecting Plants

214: Vertebrates, Mollusks, and Other Pests Affecting Plants

215: Biological Control of Pests Affecting Plants

216: Integrated Pest Management Systems

301: Reproductive Performance of Animals

302: Nutrient Utilization in Animals

303: Genetic Improvement of Animals

304: Animal Genome

305: Animal Physiological Processes

306: Environmental Stress in Animals

307: Animal Management Systems

308: Improved Animal Products (Before Harvest)

311: Animal Diseases

312: External Parasites and Pests of Animals

313: Internal Parasites in Animals

314: Toxic Chemicals, Poisonous Plants, Naturally Occurring Toxins, and Other Hazards Affecting Animals

315: Animal Welfare/Well-being and Protection

401: Structures, Facilities, and General Purpose Farm Supplies

402: Engineering Systems and Equipment

404: Instrumentation and Control Systems

602: Business Management, Finance, and Taxation

603: Market Economics

604: Marketing and Distribution Practices

609: Economic Theory and Methods

610: Domestic Policy Analysis

721: Insects and Other Pests Affecting Humans

722: Zoonotic Diseases and Parasites Affecting Humans

### **Youth Development**

---

806: Youth Development

Return to [Filters](#)