

## Smartphone Usage in Establishment Surveys: Case Studies from Three U.S. Federal Statistical Agencies

Rebecca L. Morrison (703) 292-7794; rlmorris@nsf.gov

National Center for Science and Engineering Statistics



Heather Ridolfo Robyn Sirkis National Agricultural Statistics Service







The Findings and Conclusions in This Preliminary Publication Have Not Been Formally Disseminated by the U.S. Department of Agriculture and Should Not Be Construed to Represent Any Agency Determination or Policy.

Business Data Collection Methods Workshop

Lisbon, September 2018

This material in this presentation is the represents the opinion of authors and not their respective agencies.

## Background

- Online surveys are now a given in establishment surveys
- When putting a survey online, questionnaire designers have some control over look, feel and function
- However there is variation by browser and device type
- Little research done on the percent of establishment respondents who use mobile devices to complete surveys
  - Much research on household surveys
- Mobile device usage can dramatically impact the response experience

## **Research Questions**

1. How often are establishment respondents using mobile devices to complete government surveys?

 Does this vary by survey complexity? Agency? Respondent type?

We will attempt to answer by analyzing paradata.







**Bureau of Labor Statistics** 

- Common online survey platform
- Coded to render all surveys appropriately, regardless of browser and screen size

National Agricultural Statistics Service

- New online platform for some surveys
- All surveys are mobile optimized

National Center for Science and Engineering Statistics

- Surveys contracted out – they all look different
- Not mobile optimized



#### Annual Refiling Survey:

- 1.2 million estabs annually
- 3 questions
- Online only

#### Job Openings and Labor Turnover Survey:

- 16,000 estabs a month
- Just report a few elements
- Online, web, fax or phone



### **Census of Agriculture:**

- Census of 3 million farmers
- 24 pages in paper
- Web with paper and phone and in-person follow up

### **Crops APS:**

- 70k farmers quarterly
- 9 pages in paper
- Web and paper; phone and in-person follow up



Higher Education Research & Development Survey:

- 900+ colleges and universities annually
- Web almost exclusively; phone and email follow-up
- Standard to institutions with \$1m or more in R&D
- Short to smaller institutions

# Not Mobile-Optimized (HERD)



#### FY 2017 Survey Changes and Definitions

► What's New	
Survey Definitions and Instructions	
Contact information and login accounts	Status
Contact information and login accounts	0
R&D expenditures by source and type	Status
► 1. R&D expenditures by source of funds	0
► <u>1.1. Institutionally financed R&amp;D expenditure sources</u>	0
► 2. Foreign funding for R&D	0
► 3. Contracts and grants	0
► <u>4. R&amp;D at medical schools</u>	0
► <u>5. Clinical trial R&amp;D</u>	0
► 6. Types of R&D: basic research, applied research, and experimental development	0
Pass-through and subrecipient R&D expenditures	Status
► 7. Subrecipient R&D expenditures	0
► 8. R&D expenditures passed through	0
R&D expenditures from federal sources	Status
▶ 9A-B. R&D expenditures by field and federal agency source: Computer and Information Sciences and Engineering	0

► 9C. R&D expenditures by field and federal agency source: Geosciences, Atmospheric Sciences, and Ocean Sciences

Autional Science Foundation Matter Discovered and Development (HERD) Survey Melcome Standard Form Test Reference 10 Change Pa	Ċ
National Science Foundation WELE DISCOVERES BEELW Education Research and Development (HERD) Survey Change Pa Change Pa	
e Welcome Standard Form Test Reference 10 Change Pa	
	ssword Sign Out
	, in the second s
2017 Survey	ted 🚖 = warring 🚺 = please resolv
Date January 31, 2018 ww Status Not submitted	
ress 0 out of 28 questions completed	
ns None	
uplained Trend Variances None	
solved Data Quality None	
se and instructions and login accounts	Status
formation and login accounts	0
enditures by source and type	Status
penditures by source of tunds	0
1 funding for R&D	0
its and grants	0
medical schools	0
Hal RAD	0
if R&D: basic research, applied research, and experimental development	0
ough and subrecipient R&D expenditures	Status
pient R&D supenditures	0
penditures passed through	0
enditures from federal sources	Status
Despenditures by field and federal agency source: Computer and Information Sciences and Engineering	0
expenditures by field and federal agency source: Geosciences. Atmospheric Sciences, and Ocean Sciences	0
expenditures by field and federal agency source: Life Sciences	0

► 90. R&D expenditures by field and federal agency source: Life Sciences	0
BE-G. R&D expenditures by field and federal agency source: Mathematics and Statistics, the Physical Sciences, and Psychology	0
[H-L R&D expenditures by field and federal agency source: Social Sciences and Other Sciences	0
BJ-K. B&D expanditures by field and federal agency source: Non-science and Engineering Fields	0
10. Other federal agency sources	0
R&D expenditures from nonfederal sources	Status
<ul> <li>11A-B. R&amp;D expanditures by field and nonfederal source: Computer and Information Sciences and Engineering Fields</li> </ul>	0

ΓÎ

<

0

۲	Survey	Definitions	and	Instructions	[collapse]
	ourrey	Dominiono	and	monuono	Loourboo.

#### Fiscal year (FY)

Please report data for your institution's 2017 fiscal year.

#### Research and Development (R&D)

R&D is creative and systematic work undertaken in order to increase the stock of knowledge — including knowledge of humankind, culture, and society — and to devise new applications of available knowledge. R&D covers three activities defined below - basic research, applied research, and experimental development.

- Basic research is experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view.
- · Applied research is original investigation undertaken in order to acquire new knowledge. It is directed primarily towards a specific, practical aim or objective.
- Experimental development is systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directed to producing new products or processes or to improving existing products or processes.

#### **R&D** Expenditures

Include all R&D expenditures from your institution's current operating funds that are separately accounted for. For purposes of this survey, R&D includes expenditures for organized research as defined by 2 CFR Part 200 Appendix III and expenditures from funds designated for research.

R&D includes:	R&D does not include:
<ul> <li>Sponsored research (federal and nonfederal)</li> </ul>	<ul> <li>Public service grants or outreach programs</li> </ul>
<ul> <li>University research (institutional funds that are separately budgeted for individual R&amp;D</li> </ul>	<ul> <li>Curriculum development (unless included as part of an overall research project)</li> </ul>
projects)	<ul> <li>R&amp;D conducted by university faculty or staff at outside institutions that is not accounted for</li> </ul>
<ul> <li>Startup, bridge, or seed funding provided to researchers within your institution</li> </ul>	in your financial records
<ul> <li>Other departmental funds designated for research</li> </ul>	<ul> <li>Estimates of the proportion of time budgeted for instruction that is spent on research</li> </ul>
<ul> <li>Recovered and unrecovered indirect costs (see definitions in Question 1)</li> </ul>	<ul> <li>Capital projects (i.e., construction or renovation of research facilities)</li> </ul>
<ul> <li>Equipment purchased from R&amp;D project accounts</li> </ul>	Non-research training grants
<ul> <li>R&amp;D funds passed through to a subrecipient organization, educational or other</li> </ul>	Unrecovered indirect costs that exceed your institution's federally negotiated Facilities and
<ul> <li>Clinical trials, Phases I, II, or III (see definition in Question 5)</li> </ul>	Administrative (F&A) rate
<ul> <li>Research training grants funding work on organized research projects</li> </ul>	
<ul> <li>Tuition remission provided to students working on research</li> </ul>	

#### **Reporting Units**

Please include these components of your institution:	Please do not include:
<ul> <li>All units of your institution included in or with your financial statements, such as:         <ul> <li>Agricultural experiment stations</li> <li>Branch campuses</li> <li>Medical schools</li> <li>Hospitals or clinics</li> <li>Research centers and facilities</li> <li>A university 501(c)3 foundation</li> </ul> </li> </ul>	<ul> <li>Federally Funded R&amp;D Centers (FFRDCs). This information is collected separately. See the list of FFRDCs: http://www.nsf.gov/statistics/ffrdc/.</li> <li>Other organizations or institutions, such as teaching hospitals or research institutes, with which your institution has an affiliation or relationship, but which are <i>not</i> components of your institution.</li> <li>Other campuses headed by their own president, chancellor, or equivalent within your university system. Each campus is asked to respond separately.</li> </ul>

III Verizon 죽

Errors

#### 10:04 AM ♥ 🕈 54% 🔳 )

herdsurvey.org

Unexplained Trend Variances None Unresolved Data Quality None Issues

When all questions are completed without errors your survey will be ready to submit. Submit Final Survey

#### FY 2017 Survey Changes and Definitions

▶ What's New V Survey Definitions and Instructions (collapse) Fiscal year (FY) Please report data for your institution's 2017 fiscal year. Research and Development (R&D) R&D is creative and systematic work undertaken in order to increase the stock of knowledge — including knowledge of humankind, culture, and society — and to devise new app knowledge. R&D covers three activities defined below - basic research, applied research, and experimental development. · Basic research is experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, with application or use in view.

· Applied research is original investigation undertaken in order to acquire new knowledge. It is directed primarily towards a specific, practical aim or objective. . Experimental development is systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directly additional knowledge. products or processes or to improving existing products or processes.

#### R&D Expenditures

Include all R&D expenditures from your institution's current operating funds that are separately accounted for. For purposes of this survey, R&D includes expenditures for organiz defined by 2 CFR Part 200 Appendix III and expenditures from funds designated for research.

R&D includes:	R&D does not include:
Sponsored research (federal and nonfederal)     University research (institutional funds that are separately budgeted for individual R&D projects)     State beide a second fundim second data to second budgeted within the	<ul> <li>Public service grants or outreach programs</li> <li>Curriculum development (unless included as part of an overall resear</li> <li>R&amp;D conducted by university faculty or staff at outside institutions the inverse framedie research.</li> </ul>
samp, onage, or seed hunding provides to researchers within your institution     Other dagarithmatia flund designated for research     Recovered and unrecovered indirect costs (see definitions in Question 1)     Equipment functionated from RABD project accounts     R&D funds passed through to a subrecipient organization, educational or other     Clinical titlas, Phases II, or (if (see definition in Question 5)     Research training grants funding work on organized research projects     Tuition remission provided to subdents working on research	In your manada records Estimates of the proportion of time budgeted for instruction that is spi- Capital projects (i.e., construction or renovation of research facilities) Non-research training grants Unrecovered indirect costs that exceed your institution's federally nep Administrative (F&A) rate

#### Reporting Units

► 1 ► 2 ► 3 ► 4 ► 5 ► 6

Please include these components of your institution:	Please do not include:		
<ul> <li>All units of your institution included in or with your financial statements, such as:</li> </ul>	<ul> <li>Federally Funded R&amp;D Centers (FFRDCs). This information is collected</li> </ul>		
<ul> <li>Agricultural experiment stations</li> </ul>	list of FFRDCs: http://www.nsf.gov/statistics/ffrdc/.		
<ul> <li>Branch campuses</li> </ul>	<ul> <li>Other organizations or institutions, such as teaching hospitals or researching</li> </ul>		
<ul> <li>Medical schools</li> </ul>	which your institution has an affiliation or relationship, but which are n		
<ul> <li>Hospitals or clinics</li> </ul>	your institution.		
<ul> <li>Research centers and facilities</li> </ul>	<ul> <li>Other campuses headed by their own president, chancellor, or equivalence</li> </ul>		
<ul> <li>A university 501(c)3 foundation</li> </ul>	university system. Each campus is asked to respond separately.		

#### Contact information and login accounts

Contact information and login accounts
R&D expenditures by source and type
► <u>1. R&amp;D expenditures by source of funds</u>
<u>1.1. Institutionally financed R&amp;D expenditure sources</u>
2. Foreign funding for R&D
3. Contracts and grants
► 4. R&D at medical schools
► <u>5. Clinical trial R&amp;D</u>
► 6. Types of R&D: basic research, applied research, and experimental development
Pass-through and subrecipient R&D expenditures

► 7. Subrecipient R&D expenditures

8. R&D expenditures passed through

## Mobile-Optimized:

Annual Refiling Survey Census of Agriculture Crops APS

← → C ☆ Secure htt	ps://idcfars.bls.gov/ARS/user/address				& ☆ 🤓 :				
Annual Refiling Su	LABOR STATISTICS				Logout				
Address and Contact	Verification Page								
				Company I UI Account Nu	https://idcfars.bls	s.gov/AR 3			
This firm is OUT OF BUSINE	ESS in Pennsylvania. Date of closure :	mm/dd/yyyy	0		Annual Refiling Survey	y y	ress below. If the information is		
Please review the information t (*Required Field)	below, and make corrections where neede	ed.				Logout	apoated mormation.		
Business Mailing Address					Address and Contact Ver	rification Page			1
Please review the address belo	w. If the information is incorrect please e	nter updated information.				Company Name: SOPS INC			
Legal Name :	SOPS INC					UI Account Number: 444444444	IC PET SNACKS		
Trade Name :	SHARON'S ORGANIC PET SNACKS	0				Pennsylvania			
*Street Address :	1 MAIN STREET	Θ			This firm is OUT OF BUSINESS	S in Pennsylvania. Date		client sites or offsite projects	
Additional Address Information :	STE 20	Θ			of closure : mm/dd/yyyy		formation :	es working in Pennsylvania	
		Copy Business Mailing Address			9		normation :	ship, Island, or Parish where	
	*Street Address :	55 FIRST STREET	Θ		where needed. (*Required Field)	w, and make corrections		box below.	
	Additional Address Information :		Θ		Business Mailing Address Please review the address below. I	If the information is		· · · · · ·	
	*City :	CHESHIRE	Θ		incorrect please enter updated info	ormation.		don't see my County listed	
	State :	PA		L	SOPS INC				
	*Zip Code :	90210	Θ			*Zip Code :		ormation.	, v
						33904			
							a Q	_	Save and Continue
							*Phone Number :	]	comments, please send e-mail to: bls.gov Version: 3.0
								contact:	Jout the Annual Refiling Survey, please
								Center for Workforce 651 Boas St Rm 220	Information & Analysis
								Harrisburg PA 17121- 1-800-238-9412 FA	0750 X: (717) 772-83 <u>1</u> 9 <b>0</b>







12

7 🖇 🔳

C

Done

## Response by Mode

	Overall Response Rate	% Web	% Mail	% Interviewer (CAPI, CATI, etc.)	% Other
BLS: ARS	79%	100%	Not offered	Not offered	Not offered
BLS: JOLTS	65%	59%	Not offered	34%	5% (email)
NASS: Census	67%*	24%	68%	3%	<b>3%</b> (email, fax, incoming call)
NASS: Crops APS	54%	3%	23%	72%	1% (email & Fax)
NCSES: HERD Short	97%	100%	0%	Not offered	0%
NCSES: HERD Standard	98%	100%	0%	Not offered	<b>0%</b>

\*Response checked in as of 8/20/18

## Paradata

- Not trivial!
- Decisions had to be made about what got pulled
  - Exact dates particularly important for panel surveys
  - Unique users vs. total users
  - Handle skip patterns and multiple pages
- Differences among paradata systems (even within agencies)
- Define devices, e.g., what is a smart phone? Is a Kindle a tablet?
  - Some systems gave more specificity than others (may or may not mean there were more types of devices)

## Starting and ending on a smartphone

	Started on a Smartphone	Ended on a Smartphone
BLS: ARS	1.4%	1.0%
BLS: JOLTS	0.5%	0.4%
NASS: Census	6%	6%
NASS: Crops APS	2%	2%
NCSES: HERD Short & Standard	0.2%	0.1%

## HERD Results

- Almost no one tried with a smart phone
- Why?
  - Ongoing annual survey with repeat respondents
  - Respondents at colleges and universities likely at desks
  - Respondents contacted at their offices

## NASS: Census of Agriculture, average session duration (minutes)



## NASS: Census of Agriculture, device switching in users with 2+ sessions

First Device	Last Device	Number	Percent
Desktop	Phone	296	0.33
Desktop	Tablet	1018	1.13
Desktop	Desktop	225	0.25
Phone	Desktop	1025	1.14
Phone	Tablet	225	0.25
Phone	Phone	26	0.00
Tablet	Desktop	1707	1.90
Tablet	Phone	101	0.11
Tablet	Tablet	106	0.12
Did not switch devices		85,321	94.75
Total		90,500	100%

## NASS: Census of Agriculture, breakoffs by device

Total breakoffs: 9,222					
	Count	Percent			
Desktop	7307	1.6%			
Tablet	971	0.2%			
Phone	942	0.2%			
Did not break off	456,788	98.0%			
Total	466,008	100			

• Crops APS had only 67 breakoffs, and showed a similar pattern by device.

## BLS: % using mobile devices at different points in ARS and JOLTS



## BLS: Bounce rates in ARS and JOLTS



## BLS: Time on page (in minutes)



## Summary

- Not a lot of response coming in on smartphones
- BLS and NCSES have higher percentage of web response, but lower percentage of mobile response, compared to NASS
- Use of mobile devices seems to depend on the population

## Research Questions

1. How often are establishment respondents using mobile devices to complete government surveys?

• Not very often.

- 2. Does this vary by survey complexity? Agency? Respondent type?
  - No evidence it varies by complexity.
  - Respondent type may play a role, e.g., colleges/universities vs. farms/ranches.

## Final Thoughts on Paradata

- Beautiful theories murdered by gangs of brutal facts
  - Beautiful theories: ease of pulling paradata
  - Brutal facts: time, multiple datasets
- Paradata is important, useful, and great in theory. But also extremely hard to collect and analyze.
- As you build data collection instruments, think through what paradata you want and how you want it, to minimize complexity of analyzing it later.

## **Discussion Questions**

- 1. What patterns, if any, have you seen in mobile device usage in your establishment surveys?
- 2. Is mobile optimization needed for establishment surveys?
- 3. What metrics have you built into your paradata systems that have been especially useful to you? If someone is building a system from scratch, what would you recommend including?

## Extra screenshots



Home

#### Higher Education Research and Development (HERD) Survey

Change Password Sign Out

Please submit survey data by January 31, 2018

Welcome Standard Form Test Reference 10

#### Open Your FY 2017 HERD R&D Survey

#### 🕑 What's New for the FY 2017 Survey

#### **Changes to Questions**

- Questions 1, 7, and 9: Instructions were updated to clarify that funding from Federally Funded Research and Development Centers (FFRDCs) should be treated as direct federal funding from the sponsoring agency.
- Questions 1 and 12: The confidentiality statement on Questions 1 and 12 was revised. The new text is in italics:

Information from confidential items is not published or released for individual institutions; only aggregate totals will appear in publications. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws, your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the federal information systems that transmit your data.

Questions 7 and 8: Row d instructions were updated to clarify that foreign universities and colleges should
 be reported on row d.

#### FY 2017 Survey Tools

 Survey Preview & Instructions (PDF) Contains instructions, definitions, and a printable preview of all survey questions.

Survey Spreadsheet (XLS)
This Excel spreadsheet contains a worksheet for each question in the survey.
You can use it to organize your data as you gather it.

Spreadsheet Upload Option

#### </> > Your Data

- Print Your FY 2017 Data (PDF)
   This is a printable report of all the data you have entered for this year's survey so far.
- Download Your FY 2017 Data (XLS)
  This Excel spreadsheet contains all the data you have entered for this year so
  far. It contains a worksheet for each question in the survey.
- FY 2015–FY 2017 Trend Report (PDF) Compare your FY 2017 data with previous years.
- How to Revise Prior Year Data

#### Reference Materials

- FY 2017 Survey Update Webinar
   Watch the webinar, download a copy of the slides and a summary of the presentation including answers to participant questions.
- Fields of R&D
  - List with Example Disciplines (PDF)
  - Detailed FY 2015 to FY 2016 crosswalk (XLS)
  - Fields with CIP Codes (XLS)

📲 Verizon 🗢	10:02 AM	۵ 🗱 64% 🔳
	herdsurvey.org	Ç
National Science Foundati	and Development (HERD) Survey	
Home Nelcome Stand	lard Form Test Reference 10	Change Password Sign Out
	Please submit survey data by January 31, 2018	
	Open Your FY 2017 HERD R&D Survey	

#### What's New for the FY 2017 Survey

#### Changes to Questions

- Questions 1, 7, and 9: Instructions were updated to clarify that funding from Federally Funded Research and Development Centers (FFRDCs) should be treated as direct federal funding from the sponsoring agency.
- Questions 1 and 12: The confidentiality statement on Questions 1 and 12 was revised. The new text is in italics:
- Information from confidential items is not published or released for individual institutions; only aggregate totals will appear in publications. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws; your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons. Per the Federal

28

- Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the federal information systems that transmit your data
- Questions 7 and 8: Row d instructions were updated to clarify that foreign universities and colleges should be reported on row d.

#### 🌽 FY 2017 Survey Tools

- Survey Preview & Instructions (PDF)
- Contains instructions, definitions, and a printable preview of all survey questions
- Survey Spreadsheet (XLS)
   This Excel spreadsheet contains a worksheet for each question in the survey. You can use it to organize your data as you gather
- Spreadsheet Upload Option

#### </> > Your Data

- Print Your FY 2017 Data (PDF)
- This is a printable report of all the data you have entered for this year's survey so far • Download Your FY 2017 Data (xi.s)
- This Excel spreadsheet contains all the data you have entered for this year so far. It contains a worksheet for each question in the survey.
- FY 2015-FY 2017 Trend Report (PDF)
- Compare your FY 2017 data with previous years
- How to Revise Prior Year Data

#### C Reference Materials

• FY 2017 Survey Update Webinar

#### ▼ 1. R&D expenditures by source of funds [collapse]

g. Total Comments:

provide comments about this question

Question 1. How much of your total expenditures for research and development (R&D) came from the following sources in FY 2017? See definition of R&D (PDF)

- In rows a, b, c, d, and f: Include both direct and recovered indirect costs (reimbursement of F&A costs from external sponsors).
- · Report the original source of funds, when possible.
- Include all fields of R&D (e.g., sciences, engineering, humanities, education, law, arts). See full listing in Question 9

	• 110	cude an neids of Rod (e.g., sciences, engineering, numanities, education, law, an	ts). See full listing if	r question 9.
			R&D ex	penditures
So	urce of fu	nds	(Dollars i (for example, re	n thousands) port \$25,342 as \$25)
a.	U.S. fede Any agen Include fe should be	ral government cy of the United States government. deral funds passed through from another institution. Funds from FFRDCs treated as direct federal funding.		\$
b.	State and Any state, including other expo Public ins rather tha	I local government , county, municipality, or other local government entity in the United States, state health agencies. Include state funds that support R&D at agricultural and eriment stations. <i>titutions</i> should report state appropriations restricted for R&D activities here n in row e, Institutional funds.		\$
C.	Business Domestic foundation	; or foreign for-profit organizations. Report funds from a company's nonprofit n in row d.		\$
d.	Nonprofit Domestic colleges. I other univ	t organizations or foreign nonprofit foundations and organizations, except universities and Report funds from your institution's 501(c)3 foundation in row e1. Funds from ersities and colleges should be reported in row f.		\$
e.	Institutio	nal funds		
	1. Insti All F	itutionally financed research R&D funded by your institution from accounts that are only used for research.	S v (Confidential) (0)	
	2. Cos Inclu	t sharing ude committed cost sharing other than unrecovered indirect costs.	S v (Confidential) (0)	
	3. Unn Calc on a cam	<ul> <li>ecovered indirect costs</li> <li>eculate this amount as follows for your externally funded R&amp;D only (preferably project-specific basis) using the appropriate cost rate — on-campus, off-pus, etc.</li> <li>First, multiply the <u>negotiated</u> rate by the corresponding base.</li> <li>Second, subtract recovered indirect costs.</li> </ul>	\$ (Confidential) (i)	
	4. Tota	l institutional funds		S
f.	All other Other sou U.S. unive	sources rces not reported above, such as funds from foreign governments, foreign or ersities, and gifts designated by the donors for research.		\$
g.	Total			S

National Science For WHERE DISCOVERING Shere Education Ress Home Welcom Velcom FY 2017 Survey FY 2017 Survey Progress Errors Unsplained Trend Variances Unsplained Trend Variances Interview And And And And Particulate Statistics Interview The United Statistics Interview Interview United Statistics Interview Interview United Statistics Interview Interview Interview Surgers of funds Interview Interview Interview Navy Statistics Interview Interview Interview Interview Interview Interview Navy Statistics Interview Interview Interview Interview Interview Interview Interview Interview Interview Interview Interview	Encipeent of the second s	Contract Sector	PUTG Change Passes Change Pass	C Status Status C Status
National Science For WHEE DISCOVENES there Education Ress there Education Ress Welcom FY 2017 Survey Due Date Survey Status Progress Erros Unsealved Data Quality Issues 2017 Survey Changes and De Market Information and login ac const thereas and the state second RAD expenditures by source and RAD expenditures by source and Prove the reginal source - include all fields of RAD (e.g. Source of funds a. U.S. Addred government Ary soles, count, municipality of Nay soles, count, municipality of Ray and a count of source and through studie to theread a clust field as spon- include and local government Ary soles, count, municipality of Ray and a clust field and prove the sole and local government Ary soles, count, municipality of Ray and a clust field and prove the prove the soles and through the sole and local government Ary soles, count, municipality of Ray and a clust field and a clust field as b. State and local government argument field in the sole and local government argument field in the sole and local government Ary soles, count, municipality of the and provide a sole and local government argument field in the sole and local and local field field field field field field fiel	Indation Internet of the second and development Internet of the second and the second of the second	(HERD) Survey	Change Pases Change Pases Change Pases Pa	oord Sign Out
WHERE DISCOVERIES	e SEGIN earch and Development estandard Form Test Reference 10 January 31, 2016 Note Sector	(HERD) Survey	Change Pasev  Change Associated  ready is audentic Statuted Pited Survey  20177 See definition of RAD (PDF) ponson).	ord Sign Out
here Education Resi Home Velocity EV 20017 Survey Prograss Errors Unspätieled Trend Verlances Errors Unspätieled Trend Verlances Errors Unspätieled Trend Verlances Unspätieled Trend Verlances Unspätieled Trend Verlances Errors Unspätieled Trend Verlances Errors Unspätieled Trend Verlances Errors Errors Errors Errors Errors Errors Errors Errors Errors Unspätieled Trend Verlances Errors	earch and Development estandard Form Test Reference 10  Jarcary 31, 2018 Ver submitted 0 out of 28 questions completed None When all questions are con finitions  finitions  true finitions  t	(HERD) Survey  plated without errors your survey will be  came from the following sources in FY mbursement of F&A costs from external s	Change Pasev	vord Sign Out ▲ = anning ● = pitate near Status O Status O
Home Welcom FY 2017 Survey Use Date Survey Status Progress Errors Unexplained Trend Yariances Unexplained Trend Yariances Unexplained Total Quality Issues 2017 Survey Changes and Deb Mar's New 2017 Survey Changes and Instances Unexplained Total Quality Issues 2017 Survey Changes and Instances 2018 Survey Survey Changes and Instances 2018 Survey Survey Changes and Instances 2019 Survey Changes and Instances 2010 Survey Changes 2010 Survey Change	e Standard Form Test Reference 10 January 31, 2010 Not submitted 0 out of 22 questions completed None None When all questions are con finitions icounts I type context (RED) to the dam recovered indirect costs (rei finds, when possible).	replacted without errors your survey will be	Change Passe Change Passe Ch	And Sign Out
FY 2017 Survey Due Date Survey Status Prograss Error Unexplained Trend Variances Comparison of the Compari	January 31, 2018 Ver submitted 0 out of 28 questions completed None None When all questions are con Finitions  counts  ltype contexts  ltype contexts	npieted without encore your survey will be encore your survey will be came from the following sources in FY mbursement of F&A costs from external s	net stated     secondated	• • warring • • plade real
Due Date Survey Status Progress Errors Unexplained Trend Variances Unexplained Unexplained Trend Variances Unexplained Une	January 31, 2018 Ver submitted  0 out of 28 questions completed  None None None None None None None Non	nploted without errors your survey will be be a survey with the survey survey with the survey s	ready to sudmit. (Sudmit Filed Sorray)	Status O Status
Survey Status Progress Progress Progress Progress Prove Unexplained Trend Variances Unesolved Data Quality Issues 2017 Survey Changes and De harts New 2017 Survey Changes and New 2017 Survey Changes And 2017 Survey And 201	Not submitted 9 out of 24 questions completed None None None When all questions are con finitions counts l type colleges ditures for research and development (R5D) ts (bith direct and recovered indirect costs (rei Turds, when possible.	nplated without errors your survey will be be a survey will be a survey with the survey survey will be a survey with the survey survey with the survey survey survey with the survey s	ready to submit (Submit Final Survey)	Status O Status O
Progress Errors Unexplained Trind Variances Zo117 Survey Changes and De Nar's New Zo117 Survey Changes and De Nar's New Zo117 Survey Changes and Inst record Variances Trind Variances Control Variances Co	0 out of 28 questions completed None None None None None None None None	nploted without errors your survey will be end of the second seco	ready to sudmit. (Sudmit Filed Sorray)	Status O Status O
Errors Unexplained Trend Variances Unexplained Trend Variances Unexplained Trend Variances Unexplained Trend Variances 2017 Survey Changes and De hard's New unexp Definitions and Instructions statct information and login accounts D expenditures by source and RAD expenditures by source and Next Source and Instructions a U.B. Advaria government A vay agency of the Intel States goor Include Fideral Indep passed through shutch be theread and ter fideral R Ary state, court, municipality, or beam engines, include and and mean engines allower.	None None None None None None None None	nplated without errors your survey will be end to be a solution of the sources in FY mbursement of F&A costs from external s	ready to submit: <u>Submit Final Survey</u>	Status O Status O
Unexplained Trend Variances Unexplained Trend Variances Unexplained Data Quality Issues 2017 Survey Changes and De har's New 2017 Survey Changes and Issue 2017 Survey Changes and De har's New 2017 Survey Changes and Issue 2017	None None When all questions are cor finitions .counts Itype contained thus for research and development (R&D) to toth direct one to every direct direct costs (rei fund, when possible.	nplated without errors your survey will be came from the following sources in FY mbursement of F&A costs from external s	ready to automit (Statemit Final Survey) 20177 See definition of R&Q (PDF) pontions).	Status O Status O
Unserver bits Quality Unserver Dist Quality Issues 2017 Survey Changes and De Inst's New 2017 Survey Changes and De Inst's New 2017 Survey Changes and De Inst's New 2017 Survey Changes and Instructions tact information and login accounts 2018 A second the second seco	When all questions are con finitions counts I type colored to the covered indirect costs (rei find, when peakele.	npleted without errors your samey will be end of the same same same same same same same sam	mady to submit. (Submit Final Survey)	Status O Status O
2017 Survey Changes and De Inat's New array Definitions and Instructions tact information and login ac outact information and login ac outact information and login accounts D expenditures by source and RAD expenditures by source of funds stion 1. How much of your total exper- ent increases by source of funds stion 1. How much of your total exper- ent of the original source of a login device and fields of RAD (o.g. Source of funds a. U.S. fideral government Any agency of the United States good include federal funds passed through shudde the treates a direct fideral for and login action and login accounts. b. State and local government Any state, counts advant for the states are appriment stations.	When all questions are con finitions :counts	nplated without errors your survey will be	ready to submit (Submit Final Survey) 20177 Sea defailion of R&D (PDF) ponson).	Status O Status O
2017 Survey Changes and De hards New urvey Definitions and Instructions ntact information and login accounts D expenditures by source and RAD expenditures by source of funds statist information and login accounts D expenditures by source of funds statist information and login accounts D expenditures by source of funds statist - New much of your total acgos - Include all fields of RAD (e.g. Source of funds a. U.S. Aderail government Any sparsy curve united and through include federal funds passed through include federal active field active Any sparsy curve, munipality of the Any statist, county, munipality of the include statist active field active field active and the thread active field active and the thread active field active active field active field active field active include federal funds passed through include bread active field active active field active field field active active field active field active active field active field active active field active active field active field active active field active active active field active active fiel	initions  counts  type  collared  ditures for research and development (R&D)  by both direct ones (reishnole).	general without entroit your survey will be	20177 Sea defailin of R&D (PDF)	Status O Status O
2017 Survey Changes and De har's New unvey Definitions and Instructions intact information and login accounts Despenditures by source and RED expanditures by source of Andre Station 1. Now much of your total acgos - include all fields of RAD (e.g. Source of funds a. U.S. Aderail government Ary agency of the United States goo, Include factor factor and environ- include all fields of RAD (e.g. Source of funds b. State and local government Ary state, count, municipality orders, inclu- pare agentment states.	finitions  ccounts  I type  collarse  difures for research and development (R&D)  is loth direct oner recovered indirect costs (rei funds, when possible.	came from the following sources in FY	20177 See definition of R&D (PDF)	Status O Status
2017 Survey Changes and Pe harts Ree: anay Definitions and Instructions anay Definitions and Instructions and the Information and login account and the Information account account and the Information account and the Information account and the Information account action action account action actio	finitions  ccounts  / type  college  bit bit direct and recovered indirect costs (reis funds, when possible).	came from the following sources in FY	20177 See definition of R&D (PDF)	Status O Status O
ADD's solvey Changes and be hat's lever unrey Definitions and instructions ntact information and login at order information and login accounts D expenditures by source and RAD expenditures by source and RAD expenditures by source and response of the orginal source of nicous at fields of RAD (e.g. Source of funds a. U.S. fideral government Any agency of the United States goo- include at fields of RAD (e.g. Source of funds build be tradeat a direct field at Ney state, can be all government Any states of the orginal source of nicous data fields of RAD (e.g. Source of funds build be tradeat a direct field at Ney state, can be all government Any states of the organized beams of the organized basis of the organized basis of the organized basis of the organized basis basis of the organized basis of the organized basis of the organized basis of the organized basis of the organized basis of the organized basis of the organized basis of the organized basis of the organized basis of the or	counts  I type  colleges  thomations  in the second development (R&D)  is both direct and recovered indirect costs (reis  funds, when possible.	came from the following sources in FY	20177 See defation of R&D (PDF) ponsors).	Status O Status
urary Definitions and Instructions tract information and login ac attact information and login ac attact information and login ac attact information and login accounts D expenditures by source and RAD expenditures by source of funds ation 1. How much of your total exper <ul> <li>In rows a, b, c, d, and C Indu             </li> <li>Report the original source or                 <ul> <li>In rows a, b, c, d, and C Indu</li></ul></li></ul>	counts I type Colleged College	came from the following sources in FY	20177 Sea defailen of R&D (PDF)	Status O Status
array Definitions and instructions     that information and login account     and activity of the second seco	counts I type instance instanc	came from the following sources in FY	20177 See definition of R&D (PDF)	Status O Status
tata information and login account     actual information and login account     actual information and login account     account information account     account information	t type (mission) sk but direct and recovered direct costs (reis Tands, when possible	came from the following sources in FY	20177 See defailion of R&D (PDF) ponson).	Status O Status
RAD expenditures by source of funds ation 1. How much of your total expen- in nrows a, b, c, d, and t inclu- Report the original source of a loss. Address and the original source of a loss. Address and the original source of Any agency of the United States goor include federal funds passed through shudd be threated as direct federal funds b. State and local government Any state, count, municipality, original sources. Incl during state health agences. Incl during states health agences. Incl during state health agences. Incl during state health agences. Incl during state health agences. Incl during states health agences. Incl d	[collapse] Iditures for research and development (R&D) of both direct and recovered indirect costs (rei funds, when possible.	came from the following sources in FY mbursement of F&A costs from external s	2017? See definition of R&D (PDF) ponsors).	0
Not separate the second	nditures for research and development (R&D) of the both direct and recovered indirect costs (rein f funds, when possible.	came from the following sources in FY mbursement of F&A costs from external s	2017? See definition of R&D (PDF) (ponsors).	U
stan 1, new much of your topical expen- in rows a, b, c, d, end 1: final Report the original source o include all fields of RAD (e.g. Source of hunds Au 3, fielderal government Any agency of the United States goo include fielder inche gosset through should be treated as direct forem & IA Sate and Local government Assist and care government Assist and the state state of the Public institutions should report table Assist and the should report table Assist and the state should report table Assist and the should report table Assist and table table Assist and table table Assist and table Assist a	taitures for research and development (R&D) i de both direct and recovered indirect costs (rei I funds, when possible.	came from the following sources in FY mbursement of F&A costs from external s	(PDF) (PDF) (ponsors).	
Rupport Imunophilia Standards     Rupport Imunophilia Standards     Rupport Imunophilia Standards     Rupport Imunophilia Standards     Sources of funds     au LS. Roleral government     Any approve of the United States gover Include and local government     Ary states, county, manipality on the Any states, county, manipality on the Any states, county, manipality on Any states, county, manipality on Any states, county, manipality on Any states, county, manipality on Any states, county and Any states, county an	I funds, when possible.	inconservation of Pack costs from external s	sponsors).	
Includer an Heats of HSAC (sig) Sources of funds     a. U.S. federal government     Any agency of the United States gov     Include federal funds passed through     shuld be threaded a direct federal it.     b. State and local government     Any state, county, manipality, or other     hystate, county, manipality, or     hystate, county, manipality, or     hystate, county, manipality, or     hystate, county, manipality, or     hystate, county, or     hystate, county, manipality, or     hystate, county, manipality, or     hystate, county, manipality, or     hystate, county, manipality, or     hystate, county, or     hys	astronom profession humanities advention in	we water). Care & d Define to Oversities D		
Source of funds a. U.S. federal government Any agency of the United States gov Include federal funds passed through shuid be treated as direct federal fu Any state, county, municipality, or ofth including state health agencies. Inclu- other exageriment stations. Apular institutions shuid report takes rather than in row e, institutional fund S banchese	, sciences, engineering, humanities, education, la	R&D expenditures		
Source of Tuinds A.U.S. federal government Any agency of the United States gov Include federal funds passed through should be treated as direct federal fail. B. State and local government Any state, county, municipality, or div including state health agencies. Incl. offer experiment stations. Public institutions should report state rather than in row e, Institutional fund 6 Benciener.		(Dollars in thousands)		
Any agency of the United States gov include federal funds passed through should be treated as direct federal fa b. State and local government Any state, county, municipality, or oth including state health agencies. Inclu other experiment stations. Public institutions should report state rather than in row e, Institutional fund a Burelana:		(for example, report \$25,342 as \$.	259	
should be treated as direct federal fu b. State and local government Any state, county, municipality, or oth including state health agencies. Inclu other experiment stations. Publick restrictions should report state rather than in row e, institutional fund the treatment of the state of the state of the state rather than in row e.	amment.			
b. State and local government Any state, county, municipality, or off. including state health expension. Inclu other experiment stations. Public institutions should report state rather than in row e, institutional fund e Business.	nding.	2	1	
including state health agencies. Inclu other experiment stations. Public institutions should report state rather than in row e, Institutional fund e Business	er local onversment entity in the United States.			
Public institutions should report state rather than in row e, institutional fund	de state funds that support R&D at agricultural an	Id	-	
rather than in row e, institutional func	appropriations restricted for R&D activities here	5	M	
v. pysiness	D.			
Domestic or foreign for-profit organiz	ations. Report funds from a company's nonprofit	s		
d. Nonprofit organizations		· .		
Domestic or foreign nonprofit foundat	Jons and organizations, except universities and itution's 501(c)3 foundation in movied. Events for			
other universities and colleges should	d be reported in row f.	5	M	
e. Institutional funds 1. Institutionally financed reces	rch			
All R&D funded by your instituti	on from accounts that are only used for research.	S V		
2. Cost sharing		(compensa)		
Include committed cost sharing	other than unrecovered indirect costs.	(Confidential)		
3. Unrecovered indirect costs Calculate this amount or follow	s for your externally funded R&D only (real-scale	-		
on a project-specific basis) usin	g the appropriate cost rate - on-campus, off-			
<ul> <li>First, multiply the negative</li> </ul>	lated rate by the corresponding base.	(Confidential)		
<ul> <li>Second, subtract recovery</li> </ul>		Toronnoon and an		
4. Total institutional funds	ered indirect costs.			
f. All other sources Other sources not reported above as	ered indirect costs.	\$		
U.S. universities, and gifts designate	and indirect costs.	\$	2	
g. Total	red indirect costs. ich as funds from foreign governments, foreign or 3 by the donors for research.	\$ \$	9	
	ered indirect costs, ich as funds from foreign governments, foreign or 3 by the donors for research.	\$ \$ \$	2	
	and indirect costs. wh as funds from foreign governments, foreign or 3 by the donors for research.	\$ \$ \$		
	ered indirect costs. uch as funds from foreign governments, foreign or d by the donors for research.	\$ \$ \$		

0

#### NASS screenshots



Welcome to our new look and feel for the Online Survey Response Website. Thank you for completing your questio

To complete your survey online, you need your unique 17-digit Survey Code from the address label on the paper questionnair received in the mail.

#### Enter your unique Survey Code then click continue.

 •
 XXXXXXXXX
 •
 XXXXXXXX

 Continue



Completing your survey online saves you time by allowing you to skip over questions that do not apply to you, by calculating to







Completing your survey online saves you time by allowing you to skip over questions that do not apply to you, by calculating totals automatically, and by providing drop-down menus for common answers. It also saves taxpayer dollars that would otherwise be spent on return postage and data entry.

#### Helpful Hints for Online Response

- You will need to enter the 17-digit survey code located on the survey mailing label.
- To save a partially completed survey, click "Save and Return Later." Do not click the "Submit" button until you are sure you are finished with your survey.
- After you submit your survey, you can choose to view your completed survey form. Using the options provided by your browser (Internet Explorer, Chrome, Mozilla, etc.), you can print, copy, or save the completed form.

#### Your survey responses are confidential

The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality.









: UNITED STATES 2017 CENSUS OF AGRICULTURE

: Started

v2018.9.7.1 - 001

Logout

: 1/1/2018 - 8/30/2019

Current Surveys For: DOE FARMS 1 INC / JOHN DOE - ID	Status	Available
UNITED STATES 2017 CENSUS OF AGRICULTURE	Started	From 1/1/2018 To 8/30/2019

USDA

United States Department of Agriculture

National Agricultural Statistics Service



31



capitraining.nass.usda.gov

#### 7 \* 🔳

Ċ



#### Introduction

Acreage in 2017

Land use in 2017 Land Use Practices

Crop Insurance and Government Programs

Type of Organization

Personal Characteristics

Crops

Hay and Forage Crops

Cultivated Christmas Trees, Short Rotation Woody Crops, Next

Introducti	on		
<b>Welcome to</b> The 2017 Cer 50 minutes to	the 2017 Census of Agriculture. Insus of Agriculture collects information about agricultural to complete, depending on the size and complexity of you	activity in the U.S. and the peopl r operation.	le involved in it. It is estimated to take abo
Before you b	egin, please note the following :		
<ul> <li>Saving system</li> </ul>	your answers: If you need to stop, press the "Save & Ret it will take you to the last page you visited.	urn Later" 🔒 sor & Administer icon at the	top of the page. When you log back into
Need h     2017 C     access	<b>elp?</b> If you need help, press the "Help" one icon at the t ensus of Agriculture, please call our toll-free help line at 1 the Frequently Asked Questions and email feedback form	op of the page. If you have furthe -866-294-8560 between the hou	er questions or need help completing the rs of 7:30 a.m. and 4:00 p.m. ET or <u>click her</u>





#### Introduction

#### Welcome to the 2017 Census of Agriculture.

The 2017 Census of Agriculture collects information about agricultural activity in the U.S. and the people involved in it. It is estimated to take about 50 minutes to complete, depending on the size and complexity of your operation.

Before you begin, please note the following :

- Saving your answers: If you need to stop, press the "Save & Return Later" 🖬 Seve & Return Later icon at the top of the page. When you log back into the system it will take you to the last page you visited.
- Need help? If you need help, press the "Help" (1) icon at the top of the page. If you have further questions or need help completing the 2017 Census of Agriculture, please call our toll-free help line at 1-866-294-8560 between the hours of 7:30 a.m. and 4:00 p.m. ET or click here to access the



11:08 AM

≠ \* ■, C





#### Introduction

#### Acreage in 2017

Land use in 2017

Land Use Practices

Crop Insurance and Government Programs

Type of Organization

Personal Characteristics

Crops

Hay and Forage Crops

Cultivated Christmas Trees, Short Rotation Woody Crops, and Maple Syrup

Field Crops



#### EXCLUDE

· Land used on a fee per-head or animal unit month (AUM) basis

None Acres

USDA CENSUS OF AGRICULTURE United States Department of Agriculture



#### Acreage in 2017

Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization named on the letter you received. Include ALL LAND, REGARDLESS OF LOCATION OR USE - cropland, Conservation Reserve Program (<u>CRP</u>) and Wetlands Reserve Program (<u>WRP</u>) land, pastureland, rangeland, woodland, idle land, farmsteads, etc.

#### 1. Number of acres OWNED?

◯ None	Acres
--------	-------

2. Total number of acres RENTED or LEASED **FROM** OTHERS?

INCLUDE





#### √ ¥ ■

Ċ

#### 





#### Conclusion

You have reached the end of the 2017 Census of Agriculture. **Thank you for your participation!** 

- If you would like to review and/or save your answers prior to submission, press the "**Print**" icon above.
- Otherwise, click the "Submit Survey" button to submit your responses to the 2017 Census of Agriculture.

Previous



USDA CENSUS OF AGRICULTURE United States Department of Agriculture

#### Conclusion

You have reached the end of the 2017 Census of Agriculture. Thank you for your participation!

- If you would like to review and/or save your answers prior to submission, press the "Print" icon above.
- Otherwise, click the "Submit Survey" button to submit your responses to the 2017 Census of Agriculture.

Print

(?) Help

Save & Return Later

#### Previous Submit Survey

	<u>Total</u> <u>Employment</u>	<u>Job</u> Openings	<u>Hires</u>	<u>Quits</u>	Layoffs and Discharges	<u>Othe</u> Separat
May 2018	7	0	0	0	0	0

