

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed		Agricultural sciences and natural resources conservation				Agricultural sciences and natural resources conservation	
						Agricultural sciences	Natural resources and conservation					Agricultural sciences	Natural resources and conservation		
		2017	2018	2019	2020			2020	2020	2017	2018			2019	2020
All institutions	-	3,966,250	4,086,777	4,268,650	4,526,859	3,626,162	900,697	1,249,778	1,271,046	1,359,731	1,482,177	1,072,057	410,120		
U. Florida	1	183,183	195,362	203,199	233,690	214,551	19,139	36,668	40,329	47,246	61,814	55,335	6,479		
Texas A&M U., College Station and Health Science Center	2	192,639	190,226	197,366	200,508	186,922	13,586	41,602	44,092	50,436	52,021	43,309	8,712		
Colorado State U., Fort Collins	3	43,368	68,172	123,760	163,384	61,780	101,604	20,029	39,558	85,722	114,462	24,101	90,361		
U. Illinois, Urbana-Champaign	4	121,633	122,775	131,139	161,358	79,576	81,782	42,868	39,805	49,187	65,375	30,482	34,893		
U. California, Davis	5	141,734	155,642	153,739	150,069	150,069	0	32,218	32,921	34,738	34,067	34,067	0		
Cornell U.	6	113,483	129,201	138,182	139,521	121,012	18,509	32,830	32,841	36,625	37,466	34,520	2,946		
U. Minnesota, Twin Cities	7	108,226	109,175	116,791	129,207	74,148	55,059	26,159	25,879	26,814	34,793	23,557	11,236		
Michigan State U.	8	145,456	151,818	152,185	126,904	112,270	14,634	56,810	55,336	54,697	38,894	36,914	1,980		
Purdue U., West Lafayette	9	127,962	126,486	138,419	123,324	123,324	0	38,781	37,846	36,973	33,464	33,464	0		
U. Georgia	10	88,456	87,780	100,059	122,712	122,395	317	32,284	30,145	30,966	32,666	32,666	0		
U. Nebraska, Lincoln	11	102,007	108,148	112,979	114,382	100,056	14,326	23,795	27,443	29,816	30,018	25,974	4,044		
Virginia Polytechnic Institute and State U.	12	100,934	96,684	100,295	110,301	84,380	25,921	28,301	27,335	29,316	28,411	18,675	9,736		
Washington State U.	13	94,929	92,696	103,268	109,269	107,295	1,974	37,255	27,763	26,881	29,226	28,774	452		
North Carolina State U.	14	113,295	112,533	111,537	108,002	108,002	0	22,908	18,549	17,763	19,714	19,714	0		
Mississippi State U.	15	109,002	105,102	109,892	106,989	89,819	17,170	28,314	28,006	30,989	32,121	26,432	5,689		

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences	Natural resources and conservation	Federally financed				Agricultural sciences	Natural resources and conservation
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation					
		2017	2018	2019	2020			2020	2020	2017	2018		
U. Wisconsin-Madison	16	81,700	75,751	75,409	105,235	104,300	935	22,497	19,797	19,524	33,870	33,836	34
Pennsylvania State U., University Park and Hershey Medical Center	17	87,362	101,090	96,302	101,950	100,221	1,729	37,207	37,751	37,565	39,389	39,012	377
Louisiana State U., Baton Rouge	18	69,367	75,245	76,202	97,776	88,320	9,456	8,616	9,274	9,992	18,499	15,981	2,518
Oregon State U.	19	87,700	93,555	93,606	96,878	75,087	21,791	33,957	35,539	37,641	36,754	25,271	11,483
Kansas State U.	20	85,334	83,800	85,363	95,332	95,332	0	26,666	24,565	23,652	28,326	28,326	0
North Dakota State U.	21	85,322	81,580	82,904	87,874	77,925	9,949	10,367	10,765	9,164	10,228	8,702	1,526
U. Missouri, Columbia	22	81,597	83,389	86,027	84,797	71,875	12,922	22,940	23,448	22,881	24,267	17,807	6,460
Ohio State U.	23	59,046	61,032	62,584	78,240	67,155	11,085	19,604	20,534	22,364	34,209	28,620	5,589
Rutgers, State U. New Jersey, New Brunswick	24	52,210	47,795	55,587	77,439	77,405	34	13,684	28,189	27,297	24,468	24,468	0
Auburn U., Auburn	25	47,872	58,627	55,586	73,703	72,560	1,143	11,398	12,367	12,167	14,290	13,856	434
U. California, Berkeley	26	66,885	72,256	73,608	72,606	5,506	67,100	22,549	24,148	24,607	26,274	253	26,021
U. Kentucky	27	62,780	68,360	62,898	69,756	69,756	0	13,651	15,775	13,561	13,703	13,703	0
U. Arkansas, Fayetteville	28	66,852	68,912	72,044	67,999	65,950	2,049	10,712	12,676	13,421	13,186	12,139	1,047
U. Arizona	29	54,655	57,804	64,228	63,861	50,725	13,136	16,698	16,560	20,132	20,111	14,157	5,954
U. Maryland ^a	30	na	na	65,185	54,930	52,591	2,339	na	na	31,021	24,881	23,976	905
U. Tennessee, Knoxville ^b	31	94	133	137	51,999	42,734	9,265	0	0	0	15,842	10,737	5,105
Iowa State U.	32	54,421	66,427	67,222	51,947	44,790	7,157	18,605	22,454	20,865	24,024	17,311	6,713

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed		Agricultural sciences and natural resources conservation				Agricultural sciences and conservation	
						Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation		
		2017	2018	2019	2020			2020	2020	2017	2018			2019	2020
U. Idaho	33	48,686	51,255	51,993	50,957	41,232	9,725	14,922	16,203	17,193	16,228	13,218	3,010		
Utah State U.	34	52,451	53,684	54,897	48,834	34,268	14,566	26,086	22,532	23,462	21,159	13,973	7,186		
Oklahoma State U., Stillwater	35	32,827	35,797	47,191	46,936	36,886	10,050	3,434	3,467	8,452	9,060	5,779	3,281		
South Dakota State U.	36	30,661	36,049	39,655	41,442	38,028	3,414	9,255	10,460	13,850	11,921	9,950	1,971		
Montana State U., Bozeman	37	38,297	38,318	40,480	40,881	40,695	186	8,684	8,331	11,189	12,020	11,916	104		
U. Delaware	38	31,177	27,344	29,062	32,048	32,048	0	10,871	6,739	8,129	8,759	8,759	0		
New Mexico State U.	39	26,810	28,609	31,401	31,700	31,672	28	5,424	6,412	8,008	7,867	7,856	11		
Texas Tech U.	40	31,234	32,593	31,174	31,317	26,571	4,746	3,526	3,171	2,939	2,685	1,934	751		
U. Maine	41	25,718	27,061	27,537	28,020	18,398	9,622	7,561	12,443	13,365	14,264	8,993	5,271		
U. New Hampshire	42	27,747	22,317	22,422	25,849	18,571	7,278	15,632	14,809	9,797	13,460	7,826	5,634		
U. Washington, Seattle	43	35,434	28,894	25,620	25,393	281	25,112	21,865	17,313	13,468	13,552	0	13,552		
U. Michigan, Ann Arbor	44	20,403	22,338	23,814	24,512	2,073	22,439	7,351	8,495	9,692	10,218	0	10,218		
U. Massachusetts, Amherst	45	20,446	19,423	18,524	23,951	16,454	7,497	10,938	10,141	9,335	13,918	10,229	3,689		
Clemson U.	46	21,253	23,563	24,183	23,702	23,699	3	6,783	6,461	6,713	6,920	6,920	0		
West Virginia U.	47	26,080	23,351	23,859	23,438	13,752	9,686	9,198	8,788	8,696	9,298	5,230	4,068		
U. Vermont	48	15,856	19,587	16,668	23,292	18,247	5,045	7,708	10,857	7,045	10,687	9,977	710		
U. Wyoming	49	15,934	14,331	23,815	23,104	12,086	11,018	10,756	8,453	15,768	16,085	8,337	7,748		
U. Texas M. D. Anderson Cancer Center	50	0	0	0	22,868	22,868	0	0	0	0	8,112	8,112	0		
U. California, Riverside	51	18,553	19,160	22,199	21,969	21,969	0	5,357	4,930	5,489	6,876	6,876	0		

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed				Agricultural sciences and natural resources conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
U. Montana, Missoula	52	19,807	16,488	17,211	18,646	242	18,404	9,007	8,872	8,856	8,806	17	8,789
U. Minnesota, Duluth	53	18,418	18,181	18,103	18,489	0	18,489	4,116	3,409	3,593	3,431	0	3,431
SUNY, C. of Environmental Science and Forestry	54	11,975	13,834	16,314	16,412	3,551	12,861	3,341	3,370	4,073	3,767	604	3,163
U. Alaska, Fairbanks	55	10,797	17,027	16,511	16,163	10,148	6,015	3,479	4,575	3,161	3,534	1,823	1,711
U. Hawaii, Manoa	56	20,653	16,823	16,788	15,802	13,962	1,840	8,476	8,052	7,688	8,710	7,319	1,391
Texas A&M U.-Kingsville	57	13,938	13,610	15,316	15,336	15,291	45	3,419	3,324	4,350	4,788	4,753	35
North Carolina Agricultural and Technical State U.	58	18,011	16,218	15,671	15,051	12,495	2,556	8,353	6,899	6,070	5,490	3,287	2,203
U. Nevada, Reno	59	15,083	12,534	12,216	14,600	8,439	6,161	4,359	5,220	4,520	6,336	4,101	2,235
U. Connecticut	60	13,206	12,197	12,984	11,816	8,613	3,203	4,538	4,187	4,634	5,443	3,661	1,782
Southern Illinois U., Carbondale	61	11,039	11,463	10,934	11,793	11,793	0	2,371	2,604	2,946	3,684	3,684	0
Yale U.	62	12,615	12,498	11,773	11,175	0	11,175	6,808	6,526	5,609	5,185	0	5,185
U. Illinois, Chicago	63	4,706	5,009	7,486	10,840	0	10,840	723	744	883	1,364	0	1,364
Princeton U.	64	5,785	5,555	8,634	10,766	0	10,766	407	822	2,189	3,286	0	3,286
Duke U.	65	8,074	7,897	9,051	10,726	0	10,726	4,965	5,548	5,576	5,691	0	5,691
Langston U.	66	8,933	8,851	8,768	10,615	10,615	0	6,631	5,953	5,274	5,245	5,245	0
Tennessee State U.	67	10,309	10,896	9,543	10,476	10,391	85	4,745	4,488	4,697	4,884	4,862	22
Florida A&M U.	68	12,736	9,811	11,244	10,409	10,092	317	10,081	7,776	8,761	8,321	8,004	317

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences	Natural resources and conservation	Federally financed				Agricultural sciences	Natural resources and conservation	
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation						
		2017	2018	2019	2020			2020	2020	2017	2018			2019
U. Kansas	69	2,383	7,908	6,528	9,641	735	8,906	1,397	2,817	3,368	4,658	306	4,352	
Northern Arizona U.	70	8,196	6,524	6,576	8,781	2,273	6,508	4,070	2,195	3,163	4,431	470	3,961	
Prairie View A&M U.	71	7,857	7,543	7,912	7,853	7,719	134	5,317	4,765	5,178	4,747	4,615	132	
Alcorn State U.	72	9,516	8,690	8,578	7,810	7,810	0	5,009	4,728	4,752	3,983	3,983	0	
Kentucky State U.	73	7,647	i 8,599	8,139	7,806	7,732	74	4,878	i 5,092	4,398	4,299	4,225	74	
U. Arkansas, Pine Bluff	74	6,579	6,848	7,621	7,218	7,218	0	3,113	3,104	3,746	3,820	3,820	0	
U. Maryland Center for Environmental Science	75	5,254	7,286	7,704	7,161	997	6,164	3,440	5,158	6,187	4,534	588	3,946	
U. Guam	76	2,942	5,838	6,611	7,112	2,384	4,728	2,741	3,771	4,168	4,386	1,428	2,958	
Delaware State U.	77	7,455	6,186	6,824	7,077	i 7,076	i 1	i 5,535	3,750	3,414	3,557	i 3,557	i 0	i
U. California, Santa Barbara	78	10,621	9,162	7,124	6,761	0	6,761	4,353	2,041	994	639	0	639	
Virginia State U.	79	5,785	6,767	6,814	5,920	5,920	0	3,391	3,807	4,029	3,572	3,572	0	
Tuskegee U.	80	8,663	i 7,041	5,756	5,871	5,871	0	4,451	4,451	4,984	5,084	5,084	0	
Tarleton State U.	81	5,724	6,209	6,470	5,716	5,488	228	3,759	4,016	4,293	3,519	3,394	125	
Humboldt State U.	82	3,081	4,917	5,983	5,673	163	5,510	855	1,187	1,313	1,028	104	924	
Tufts U.	83	29,339	3,280	1,048	5,539	5,500	39	15,774	1,960	197	2,693	2,693	0	
Central State U.	84	1,217	2,808	2,871	5,313	5,047	266	700	1,492	1,622	2,306	2,204	102	
Lincoln U., Jefferson City	85	3,287	3,120	2,947	5,170	4,516	654	2,271	1,638	1,498	3,117	2,940	177	
Fort Valley State U.	86	4,790	3,344	4,136	4,452	4,452	0	4,551	3,174	4,066	4,371	4,371	0	

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed				Agricultural sciences and natural resources conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
U. of the Virgin Islands	87	3,993	4,043	3,751	4,392	2,351	2,041	2,769	3,139	2,692	3,265	2,140	1,125
West Virginia State U.	88	3,966	3,483	3,551	4,327	3,481	846	2,972	2,650	2,576	2,792	2,035	757
Columbia U. in the City of New York	89	8,924	4,104	3,793	4,151	0	4,151	3,509	1,615	1,413	1,434	0	1,434
U. Wisconsin-Stevens Point	90	2,887	3,284	3,681	4,080	1,029	3,051	1,176	1,463	1,750	2,037	679	1,358
California Polytechnic State U., San Luis Obispo	91	3,041	2,649	4,861	4,021	3,201	820	522	738	807	544	336	208
Georgia Institute of Technology	92	3,787	4,177	3,831	3,820	3,820	0	174	225	166	0	0	0
U. New Mexico	93	300	3,635	4,418	3,768	0	3,768	300	2,341	2,810	2,230	0	2,230
Portland State U.	94	3,298	3,921	3,626	3,657	46	3,611	2,242	2,389	1,921	2,260	38	2,222
West Texas A&M U.	95	2,997	2,716	2,877	3,549	3,117	432	430	382	313	409	98	311
Southern U. and A&M C., Agricultural Research and Extension Center	96	5,000	5,296	4,541	3,515	3,159	356	2,736	3,057	3,057	2,085	2,085	0
U. Rhode Island	97	1,740	1,909	2,546	3,400	3,400	0	1,060	959	1,254	1,970	1,970	0
Drexel U.	98	3,554	7,868	2,650	3,361	0	3,361	304	197	105	365	0	365
Southern Illinois U., Edwardsville	99	4,891	5,702	8,809	3,324	3,324	0	0	0	0	0	0	0
California State U., Fresno	100	2,957	2,867	3,686	3,277	3,277	0	227	405	405	451	451	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences 2020	Natural resources and conservation 2020	Agricultural sciences and natural resources conservation				Agricultural sciences 2020	Natural resources and conservation 2020
		2017	2018	2019	2020			2017	2018	2019	2020		
U. California, Santa Cruz	101	2,787	3,052	2,724	3,247	3,247	0	6	6	85	159	159	0
Harvard U.	102	3,066	4,370	3,435	3,028	47	2,981	2,040	2,350	2,135	1,884	0	1,884
Florida State U.	103	2,852	3,825	2,428	2,973	296	2,677	284	415	592	1,077	170	907
U. Colorado Boulder	104	1,235	214	839	2,585	1,448	1,137	22	65	418	1,183	802	381
U. Texas, Austin	105	8,070	7,686	1,550	2,584	58	2,526	1,920	1,911	488	1,016	30	986
Brigham Young U., Provo	106	4,254	2,766	2,583	2,559	2,559	0	2,821	1,542	1,274	1,090	1,090	0
U. California, Office of the President	107	2,328	2,418	2,552	2,503	2,503	0	98	129	117	94	94	0
U. Nebraska, central administration	108	ne	1,747	2,074	2,242	2,242	0	ne	1,615	1,935	1,674	1,674	0
U. of the District of Columbia	109	1,813	1,626	2,538	2,157	2,157	0	882	738	1,083	235	235	0
Florida International U.	110	2,725	2,940	2,604	2,156	84	2,072	1,574	1,631	1,881	1,495	76	1,419
U. Maryland, Eastern Shore	111	1,893	194	615	2,044	1,885	159	1,893	186	611	2,039	1,885	154
U. Wisconsin-Superior	112	ne	2,908	2,122	2,025	0	2,025	ne	1,808	1,401	1,342	0	1,342
Stanford U.	113	3,933	3,797	3,933	1,983	0	1,983	249	407	1,197	1,161	0	1,161
Arkansas State U., Jonesboro	114	1,540	1,440	1,983	1,897	1,897	0	803	780	1,237	1,159	1,159	0
U. North Carolina, Wilmington	115	2,456	2,464	2,019	1,818	565	1,253	831	1,072	794	846	0	846
Stephen F. Austin State U.	116	1,992	1,533	1,804	1,695	1,695	0	735	564	589	619	619	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences 2020	Natural resources and conservation 2020	Federally financed				Agricultural sciences 2020	Natural resources and conservation 2020
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation					
		2017	2018	2019	2020			2017	2018	2019	2020		
Cold Spring Harbor Laboratory	117	0	568	1,622	1,657	1,657	0	0	423	1,535	1,581	1,581	0
Sul Ross State U.	118	1,559	2,001	1,578	1,595	123	1,472	439	504	330	463	0	463
Hobart and William Smith Colleges	119	256	ne	1,185	1,484	11	1,473	44	ne	618	691	11	680
Massachusetts Institute of Technology	120	818	3,370	3,005	1,370	861	509	127	88	71	0	0	0
U. Texas Rio Grande Valley	121	534	791	1,121	1,324	1,187	137	122	576	894	1,145	1,123	22
U. Alaska, Anchorage	122	187	938	482	1,246	294	952	41	235	177	761	61	700
U. Hawaii, Hilo	123	2,200	1,671	1,574	1,245	1,020	225	1,743	1,150	835	711	573	138
California State U., Chico	124	603	899	759	1,224	1,224	0	107	179	166	210	210	0
Boise State U.	125	660	529	1,202	1,184	299	885	450	251	807	783	248	535
California State U., Monterey Bay	126	1,209	1,211	1,501	1,164	1,164	0	514	491	506	281	281	0
U. Pennsylvania	127	918	945	926	1,140	1,140	0	160	200	150	25	25	0
Missouri State U.	128	746	1,036	1,199	1,103	578	525	735	998	885	874	484	390
Western Illinois U.	129	91	146	216	1,062	1,062	0	46	72	120	983	983	0
Tennessee Technological U.	130	1,766	868	1,041	1,042	427	615	235	291	390	412	90	322
U. Massachusetts, Boston	131	3	262	808	1,020	40	980	3	2	6	107	0	107

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed				Agricultural sciences and natural resources conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
Austin Peay State U.	132	157	183	176	947	0	947	157	150	25	361	0	361
San Diego State U.	133	837	554	683	921	0	921	270	232	278	212	0	212
U. Texas, El Paso	133	2,510	2,016	1,457	921	0	921	1,111	1,129	658	392	0	392
U. Maryland, Baltimore County	135	0	0	738	896	846	50	0	0	412	473	473	0
SUNY, C. Brockport	136	668	783	557	886	127	759	363	363	167	153	0	153
Central Michigan U.	137	771	348	192	881	32	849	358	289	98	481	0	481
CUNY, Advanced Science Research Center	138	0	0	805	869	0	869	0	0	703	785	0	785
Illinois Institute of Technology	139	2,106	1,791	1,207	863	863	0	1,941	1,631	1,147	682	682	0
Syracuse U.	140	1,134	1,040	1,104	859	87	772	908	891	837	727	86	641
Louisiana Tech U.	141	671	781	917	841	841	0	289	320	361	350	350	0
California State Polytechnic U., Pomona	142	1,681	1,751	1,381	838	838	0	431	335	287	327	327	0
U. Puerto Rico, Mayaguez	143	1,223	792	1,301	814	814	0	185	265	838	508	508	0
Dartmouth C. and Dartmouth Hitchcock Medical Center	144	1,494	1,482	949	813	0	813	1,092	997	602	605	0	605
Clark U.	145	11	115	724	808	797	11	0	104	711	797	797	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed				Agricultural sciences and natural resources conservation	
						Agricultural sciences	Natural resources and conservation					Agricultural sciences	Natural resources and conservation
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
George Mason U.	146	490	628	402	800	76	724	284	239	290	269	73	196
Oregon Health and Science U.	147	0	0	0	799	0	799	0	0	0	799	0	799
St. Edward's U.	148	1,334	372	980	795	275	520	1,090	184	950	775	275	500
U. Miami	149	1,530	2,353	1,403	791	0	791	1,236	1,410	1,025	603	0	603
U. Virginia, Charlottesville	150	0	98	391	769	0	769	0	0	0	0	0	0
U. Massachusetts, Lowell	151	0	233	457	725	0	725	0	0	0	0	0	0
Texas A&M U.-Commerce	152	207	255	688	723	723	0	16	25	15	18	18	0
Baylor U.	153	192	440	576	666	221	445	67	204	131	200	177	23
Hawaii Pacific U.	154	873	712	700	654	654	0	873	712	700	654	654	0
Montclair State U.	155	155	470	582	649	17	632	42	323	110	75	14	61
Alabama A&M U.	156	1,419	1,172	925	630	502	128	766	592	419	285	209	76
Appalachian State U.	156	456	429	258	630	87	543	301	219	99	56	27	29
U. Southern Maine	158	836	768	750	611	424	187	2	9	12	12	1	11
San Francisco State U.	159	0	221	581	601	0	601	0	3	146	152	0	152
Georgia State U.	160	320	382	592	596	596	0	53	15	54	142	142	0
Western Kentucky U.	161	507	545	548	581	581	0	229	237	334	430	430	0
Middle Tennessee State U.	162	385	433	640	558	378	180	221	273	362	481	301	180

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed				Agricultural sciences and natural resources conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
Bowling Green State U.	163	91	97	463	553	398	155	38	49	81	154	92	62
U. Nebraska, Kearney	164	723	451	692	546	178	368	251	296	420	303	95	208
Western U. of Health Sciences	165	184	367	492	533	533	0	50	210	430	456	456	0
U. South Florida, Saint Petersburg	166	335	498	499	528	0	528	143	316	270	230	0	230
Loyola U., Chicago	167	750	724	616	483	0	483	360	506	470	249	0	249
U. Oregon	167	909	947	778	483	0	483	608	793	659	406	0	406
Albany State U.	169	482	429	892	479	209	270	142	255	484	270	0	270
U. North Texas, Denton	169	20	0	213	479	479	0	14	0	189	136	136	0
Carnegie Mellon U.	171	746	878	774	476	476	0	609	780	685	427	427	0
Rhode Island School of Design	171	9 i	76 i	500 i	476 i	0 i	476 i	0 i	12 i	177 i	170 i	0 i	170 i
Texas A&M U.-Corpus Christi	173	227	82	177	464	17	447	69	15	137	309	17	292
Arizona State U.	174	257	21	764	457	0	457	139	11	6	57	0	57
William & Mary	175	424	1,338	778	453	453	0	257	334	366	294	294	0
U. Texas, Arlington	176	0	464	517	441	0	441	0	8	4	1	0	1
U. Notre Dame	177	1,340	1,405	993	424	424	0	0	0	0	0	0	0
California State U., San Bernardino	178	767	498	509	400	400	0	582	439	447	346	346	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences	Natural resources and conservation	Federally financed				Agricultural sciences	Natural resources and conservation
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation					
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
Colorado School of Mines	179	0	29	288	392	382	10	0	29	288	146	146	0
Texas State U.	180	331	386	349	376	376	0	311	331	296	291	291	0
U. Pittsburgh, Pittsburgh	181	0	0	0	373	373	0	0	0	0	248	248	0
California State U., Fullerton	182	36	299	416	338	223	115	21	277	340	299	223	76
Sam Houston State U.	183	59	105	289	330	330	0	41	78	283	258	258	0
Georgia Southern U.	184	0	0	120	323	34	289	0	0	73	59	23	36
California State U., Sacramento	185	86	353	286	321	0	321	3	264	268	309	0	309
U. Texas, Tyler	185	268	206	215	321	146	175	0	13	0	146	146	0
Santa Clara U.	187	230	222	409	300	0	300	127	59	198	37	0	37
U. Denver	188	125	156	251	298	0	298	125	115	221	280	0	280
U. Houston	189	99	20	153	295	40	255	99	20	153	284	29	255
U. North Carolina, Asheville	190	270	764	222	292	0	292	0	222	29	57	0	57
U. Wisconsin-Platteville	191	124	ne	280	285	207	78	43	ne	77	76	59	17
Eastern Michigan U.	192	226	198	85	274	0	274	101	69	46	58	0	58
U. Nevada, Las Vegas	193	0	49	194	273	65	208	0	42	149	185	65	120
Old Dominion U.	194	0	0	8	267	0	267	0	0	8	0	0	0
U. Louisiana, Lafayette	195	9	34	1,647	262	262	0	0	0	213	122	122	0
Des Moines U.	196	0	0	0	261	261	0	0	0	0	261	261	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Federally financed				Agricultural sciences and natural resources conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020
U. Washington, Bothell	196	0	0	88	261	172	89	0	0	0	261	172	89
California State U., Northridge	198	0	196	273	252	252	0	0	196	273	252	252	0
Dickinson C.	199	62	ne	211	238	0	238	51	ne	101	68	0	68
U. Memphis	200	0	0	26	232	232	0	0	0	0	0	0	0
U. Missouri, Saint Louis	201	230	221	411	229	11	218	59	16	202	217	0	217
Morgan State U.	202	853	435	139	224	224	0	288	214	68	25	25	0
Sonoma State U.	203	ne	ne	ne	214	0	214	ne	ne	ne	0	0	0
Southern U. and A&M C., Baton Rouge	204	219	184	210	208	122	86	157	184	210	208	122	86
Minnesota State U., Mankato	205	0	17	0	205	205	0	0	17	0	205	205	0
U. Northern Iowa	206	110	199	152	201	201	0	24	67	78	94	94	0
U. Dayton	207	73	454	237	199	0	199	36	391	212	165	0	165
California State U., Channel Islands	208	35	133	157	194	0	194	21	107	64	151	0	151
Hofstra U.	209	9	3	34	191	0	191	3	3	0	0	0	0
U. South Dakota	209	0	30	0	191	0	191	0	0	0	0	0	0
U. Alaska, Southeast	211	212	271	224	187	105	82	190	271	173	139	96	43
Illinois State U.	212	352	256	50	184	184	0	26	23	30	29	29	0
Eastern Washington U.	213	0	354	281	176	0	176	0	354	281	176	0	176

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences and natural resources conservation		Natural resources and conservation		Federally financed				Agricultural sciences and natural resources conservation		Agricultural sciences and conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation				
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020				
Salish Kootenai C.	214	116	94	213	172	95	77	116	94	213	172	95	77				
U. Washington, Tacoma	215	0	23	563	163	0	163	0	23	385	161	0	161				
U. Wisconsin-Green Bay	216	0	24	174	159	131	28	0	7	39	42	31	11				
Ball State U.	217	59	49	79	155	0	155	4	0	0	28	0	28				
CUNY, Graduate School of Public Health and Health Policy	218	na	0	0	154	154	0	na	0	0	154	154	0				
U. North Carolina, general administration	219	0	0	0	148	75	73	0	0	0	0	0	0				
Tulane U.	220	388	431	384	133	0	133	353	282	130	94	0	94				
Florida Gulf Coast U.	221	0	55	36	128	26	102	0	0	22	42	26	16				
Wake Forest U.	222	0	0	0	126	0	126	0	0	0	0	0	0				
U. Wisconsin-River Falls	223	110	79	ne	125	125	0	16	0	ne	64	64	0				
U. Nebraska, Omaha	224	15	30	19	115	84	31	3	9	4	0	0	0				
Pittsburg State U.	225	2	27	100	113	0	113	0	0	11	61	0	61				
Troy U.	226	ne	ne	ne	112	12	100	ne	ne	ne	112	12	100				
U. Louisville	227	206	137	4	109	0	109	66	8	0	0	0	0				
James Madison U.	228	0	40	80	105	12	93	0	0	69	85	0	85				
Texas A&M International U.	229	48	78	66	104	0	104	48	77	12	0	0	0				

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences 2020	Natural resources and conservation 2020	Federally financed				Agricultural sciences 2020	Natural resources and conservation 2020
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation					
		2017	2018	2019	2020			2017	2018	2019	2020		
New Mexico Highlands U.	251	299	4	ne	55	0	55	293	0	ne	55	0	55
New School	252	0	0	23	54	0	54	0	0	0	0	0	0
Alfred U.	253	0	0	98	52	52	0	0	0	98	52	52	0
Purdue U., Northwest	254	0	0	0	50	50	0	0	0	0	40	40	0
Pacific U.	255	0	163	569	48	0	48	0	0	13	0	0	0
Texas Christian U.	256	0	0	57	47	47	0	0	0	0	47	47	0
Stockton U.	257	ne	0	0	46	46	0	ne	0	0	46	46	0
U. Colorado Denver and Anschutz Medical Campus	257	42	64	82	46	15	31	42	64	82	46	15	31
Southern Connecticut State U.	259	0	60	71	44	37	7	0	47	68	22	22	0
Miami U.	260	3	86	48	42	42	0	2	86	0	0	0	0
U. Puerto Rico, Cayey	261	47	10	45	40	0	40	47	10	45	40	0	40
Alaska Pacific U.	262	7	34	71	38	38	0	7	19	71	38	38	0
Black Hills State U.	262	0	0	0	38	0	38	0	0	0	31	0	31
U. San Francisco	264	0	9	31	37	0	37	0	0	0	0	0	0
Colorado C.	265	94	73	190	35	0	35	25	32	103	0	0	0
Kent State U.	265	220	0	93	35	0	35	215	0	0	3	0	3
Midwestern U.	267	0	0	6	33	33	0	0	0	6	33	33	0
Fisk U.	268	0	0	0	32	0	32	0	0	0	32	0	32
Temple U.	269	671	393	194	30	30	0	168	175	194	0	0	0

TABLE 43

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences 2020	Natural resources and conservation 2020	Federally financed				Agricultural sciences 2020	Natural resources and conservation 2020
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation					
		2017	2018	2019	2020			2017	2018	2019	2020		
Northern Illinois U.	270	29	0	0	29	0	29	29	0	0	25	0	25
U. Louisiana, Monroe	270	17	22	34	29	29	0	0	0	0	0	0	0
Loyola Marymount U.	272	0	0	0	28	28	0	0	0	0	28	28	0
Texas Woman's U.	272	0	213	50	28	28	0	0	213	50	28	28	0
U. Puerto Rico, Humacao	274	ne	0	11	26	0	26	ne	0	2	26	0	26
U. Toledo	274	524	74	338	26	26	0	70	54	311	19	19	0
Fort Lewis C.	276	ne	ne	0	23	0	23	ne	ne	0	21	0	21
William Paterson U.	277	110	0	0	22	0	22	10	0	0	22	0	22
Benedict C.	278	0	0	0	21	0	21	0	0	0	21	0	21
Central Washington U.	278	0	0	0	21	0	21	0	0	0	19	0	19
Saginaw Valley State U.	280	68	42	20	20	20	0	0	0	0	0	0	0
Dine C.	281	ne	215	330	19	19	0	ne	215	330	19	19	0
Northern Kentucky U.	282	0	0	17	17	0	17	0	0	0	0	0	0
U. North Carolina, Chapel Hill	282	29	12	38	17	0	17	0	0	0	0	0	0
Kennesaw State U.	284	0	0	19	16	16	0	0	0	19	0	0	0
C. Wooster	285	33	25	26	15	15	0	33	25	26	5	5	0
U. Colorado Colorado Springs	286	0	0	0	13	4	9	0	0	0	0	0	0
U. Minnesota, Morris	286	20	ne	13	13	0	13	0	ne	0	0	0	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences 2020	Natural resources and conservation 2020	Federally financed				Agricultural sciences 2020	Natural resources and conservation 2020
		Agricultural sciences and natural resources conservation						Agricultural sciences and natural resources conservation					
		2017	2018	2019	2020			2017	2018	2019	2020		
Keene State C.	288	0	ne	7	11	0	11	0	ne	7	11	0	11
Towson U.	289	0	80	76	10	0	10	0	80	76	0	0	0
U. Arkansas, Little Rock	289	17	12	23	10	0	10	10	2	21	9	0	9
Vanderbilt U. and Vanderbilt U. Medical Center	289	0	228	4	10	0	10	0	140	4	10	0	10
Bates C.	292	32	0	30	9	0	9	0	0	0	0	0	0
Mills C.	293	0	0	19	8	0	8	0	0	0	0	0	0
U. North Georgia	293	1	2	106	8	0	8	0	2	16	8	0	8
CUNY, John Jay C. of Criminal Justice	295	0	0	0	7	7	0	0	0	0	7	7	0
Roger Williams U.	296	0	28	33	6	6	0	0	0	0	0	0	0
Claremont McKenna C.	297	0	2	1	4	0	4	0	0	0	0	0	0
Eastern Kentucky U.	297	2	5	6	4	4	0	0	0	0	0	0	0
St. Cloud State U.	297	0	0	10	4	0	4	0	0	0	0	0	0
U. Illinois, Springfield	297	14	19	4	4	0	4	0	0	0	0	0	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	297	17	81	27	4	0	4	0	40	1	0	0	0

TABLE 43
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2020 agricultural sciences and natural resources conservation total: FYs 2017–20

(Dollars in thousands)

Institution	Rank	Total				Agricultural sciences		Natural resources and conservation		Federally financed				Agricultural sciences		Natural resources and conservation	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation				
		2017	2018	2019	2020	2020	2020	2017	2018	2019	2020	2020	2020				
East Tennessee State U.	302	0	0	0	3	3	0	0	0	0	0	2	2	0			
Monmouth U.	302	ne	ne	93	3	3	0	ne	ne	0	0	0	0	0			
U. South Carolina, Columbia	302	6,408	7,158	5,470	3	0	3	3,193	3,911	3,297	0	0	0	0			
Gallaudet U.	305	1	10	7	2	0	2	1	10	5	0	0	0	0			
Pennsylvania State U., Harrisburg	305	0	93	89	2	2	0	0	57	5	2	2	0	0			
U. Alabama, Huntsville	305	0	0	0	2	2	0	0	0	0	0	0	0	0			
U. Puget Sound	305	0	ne	ne	2	0	2	0	ne	ne	0	0	0	0			
DePaul U.	309	0	0	19	1	0	1	0	0	1	0	0	0	0			
Fort Hays State U.	309	ne	ne	0	1	1	0	ne	ne	0	0	0	0	0			
U. Central Florida	309	28	3	1	1	1	0	0	0	0	0	0	0	0			
Wellesley C.	309	0	0	133	1	1	0	0	0	111	0	0	0	0			
All other surveyed institutions	-	121,843	133,871	55,535	0	0	0	52,742	62,186	18,437	0	0	0	0			

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

^b The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2020 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.