

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
All institutions	-	4,268,687	4,527,053	4,487,970	4,948,650	3,935,731	1,012,919	1,359,731	1,484,501	1,530,110	1,746,019	1,265,977	480,042
U. Florida	1	203,199	233,690	228,232	248,663	228,726	19,937	47,246	61,814	57,900	64,426	58,134	6,292
Texas A&M U., College Station and Health Science Center	2	197,366	200,508	195,660	227,880	210,583	17,297	50,436	52,021	52,146	59,822	48,682	11,140
Colorado State U., Fort Collins	3	123,760	163,384	187,752	182,374	55,140	127,234	85,722	114,462	129,050	132,281	21,449	110,832
U. Illinois, Urbana-Champaign	4	131,139	161,358	162,189	171,622	67,828	103,794	49,187	65,375	65,980	73,839	23,940	49,899
U. California, Davis	5	153,739	150,069	143,311	152,571	152,571	0	34,738	34,067	32,317	45,346	45,346	0
Michigan State U.	6	152,185	126,904	127,515	142,331	128,448	13,883	54,697	38,894	41,449	45,777	43,210	2,567
Cornell U.	7	138,182	139,521	123,927	135,439	114,152	21,287	36,625	37,466	35,393	36,595	33,304	3,291
Purdue U., West Lafayette	8	138,419	123,324	122,841	135,315	135,315	0	36,973	33,464	37,063	43,025	43,025	0
U. Minnesota, Twin Cities	9	116,791	129,207	122,668	129,454	78,028	51,426	26,814	34,793	35,744	41,367	28,656	12,711
U. Wisconsin-Madison	10	75,409	105,235	115,937	129,292	128,234	1,058	19,524	33,870	40,457	47,380	47,235	145
U. Georgia	11	100,059	122,712	114,117	127,016	126,469	547	30,966	32,666	30,083	38,838	38,838	0
Mississippi State U.	12	109,892	106,989	114,811	122,973	104,790	18,183	30,989	32,121	36,694	40,206	33,392	6,814
North Carolina State U.	13	111,537	108,002	108,416	122,332	122,332	0	17,763	19,714	23,589	32,645	32,645	0
U. Nebraska, Lincoln	14	112,979	114,382	110,667	121,398	103,125	18,273	29,816	30,018	28,104	31,339	25,352	5,987
Virginia Polytechnic Institute and State U.	15	100,295	110,301	106,619	120,664	92,790	27,874	29,316	28,411	31,754	35,918	25,301	10,617
U. Missouri, Columbia	16	86,027	84,797	99,983	117,308	91,367	25,941	22,881	24,267	29,409	40,303	31,511	8,792
Washington State U.	17	103,268	109,269	114,256	111,879	108,785	3,094	26,881	29,226	39,440	41,557	40,797	760
Oregon State U.	18	93,606	96,878	98,213	111,314	85,445	25,869	37,641	36,754	38,784	47,783	32,967	14,816
North Dakota State U.	19	82,904	87,874	92,492	102,515	92,009	10,506	9,164	10,228	13,243	12,789	11,526	1,263
Louisiana State U., Baton Rouge	20	76,202	97,776	97,527	101,431	91,647	9,784	9,992	18,499	21,161	22,463	19,140	3,323
Kansas State U.	21	85,363	95,332	92,231	98,598	98,598	0	23,652	28,326	29,741	32,226	32,226	0
Ohio State U.	22	62,584	78,240	78,004	96,471	81,771	14,700	22,364	34,209	35,592	38,769	32,338	6,431
Pennsylvania State U., University Park and Hershey Medical Center	23	96,302	101,950	88,295	95,970	85,040	10,930	37,565	39,389	26,615	31,745	29,943	1,802
Auburn U., Auburn	24	55,586	73,703	71,120	85,625	83,715	1,910	12,167	14,290	19,288	22,023	21,410	613
Iowa State U.	25	67,222	51,947	51,837	85,319	85,319	0	20,865	24,024	21,142	32,767	32,767	0
U. Arkansas, Fayetteville	26	72,044	67,999	69,390	79,353	79,353	0	13,421	13,186	11,376	14,728	14,728	0
U. California, Berkeley	27	73,608	72,606	76,411	76,716	5,372	71,344	24,607	26,274	27,098	29,119	499	28,620
Rutgers, State U. New Jersey, New Brunswick	28	55,587	77,439	64,908	69,637	69,581	56	27,297	24,468	31,252	26,439	26,439	0

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Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
U. Arizona	29	64,228	63,861	63,062	69,152	55,219	13,933	20,132	20,111	19,584	20,723	14,200	6,523
U. Kentucky	30	62,898	69,756	63,522	61,281	61,281	0	13,561	13,703	13,036	12,948	12,948	0
U. Maryland ^a	31	65,185	54,930	54,140	58,272	56,383	1,889	31,021	24,881	24,472	30,832	30,149	683
U. Tennessee, Knoxville ^b	32	137	51,999	49,803	56,586	48,003	8,583	0	15,842	14,186	15,115	10,585	4,530
U. Idaho	33	51,993	50,957	48,205	53,416	39,305	14,111	17,193	16,228	15,947	18,218	12,267	5,951
Montana State U., Bozeman	34	40,480	40,881	44,174	51,295	51,177	118	11,189	12,020	14,586	18,441	18,371	70
Utah State U.	35	54,897	48,834	46,361	51,009	33,056	17,953	23,462	21,159	20,644	24,826	15,093	9,733
Oklahoma State U., Stillwater	36	47,191	46,936	45,875	45,257	33,721	11,536	8,452	9,060	10,370	11,444	7,308	4,136
Texas Tech U.	37	31,174	31,317	36,386	39,791	34,132	5,659	2,939	2,685	3,403	5,453	4,039	1,414
South Dakota State U.	38	39,655	41,442	32,467	38,410	35,767	2,643	13,850	11,921	7,918	10,400	8,851	1,549
New Mexico State U.	39	31,401	31,700	32,291	32,886	32,727	159	8,008	7,867	7,532	6,986	6,869	117
U. Vermont	40	16,668	23,292	27,833	32,296	23,593	8,703	7,045	10,687	14,122	17,156	15,009	2,147
U. Delaware	41	29,062	32,048	30,290	30,550	30,550	0	8,129	8,759	9,280	9,031	9,031	0
U. Maine	42	27,537	28,023	28,286	30,035	19,721	10,314	13,365	14,264	14,578	15,187	9,330	5,857
U. New Hampshire	43	22,422	25,849	23,015	29,552	21,849	7,703	9,797	13,460	12,790	12,985	7,990	4,995
U. Massachusetts, Amherst	44	18,524	23,951	24,423	29,498	21,277	8,221	9,335	13,918	14,403	15,683	11,303	4,380
U. California, Riverside	45	22,199	21,969	22,645	28,479	28,479	0	5,489	6,876	8,249	12,449	12,449	0
Clemson U.	46	24,183	23,702	21,945	25,933	25,912	21	6,713	6,920	6,629	9,076	9,076	0
U. Washington, Seattle	47	25,620	25,393	26,338	25,673	76	25,597	13,468	13,552	14,570	13,475	0	13,475
West Virginia U.	48	23,859	23,438	22,267	25,295	14,556	10,739	8,696	9,298	9,364	11,360	5,719	5,641
U. Michigan, Ann Arbor	49	23,814	24,512	20,106	23,636	2,541	21,095	9,692	10,218	6,254	8,303	3	8,300
U. Texas M. D. Anderson Cancer Center	50	0	22,868	21,748	22,773	22,773	0	0	8,112	7,306	4,050	4,050	0
U. Wyoming	51	23,815	23,104	16,213	22,535	15,138	7,397	15,768	16,085	11,557	13,276	8,391	4,885
U. Montana, Missoula	52	17,211	18,646	20,918	20,744	653	20,091	8,856	8,806	10,599	10,353	188	10,165
SUNY, C. of Environmental Science and Forestry	53	16,314	16,412	16,516	19,538	3,275	16,263	4,073	3,767	3,119	3,846	642	3,204
U. Hawaii, Manoa	54	16,788	15,802	15,585	18,553	16,884	1,669	7,688	8,710	7,780	10,882	9,722	1,160
U. Connecticut	55	12,984	11,816	14,299	18,240	13,050	5,190	4,634	5,443	5,293	7,548	5,068	2,480
U. Minnesota, Duluth	56	18,103	18,489	17,840	17,911	0	17,911	3,593	3,431	3,178	3,838	0	3,838
U. Nevada, Reno	57	12,216	14,600	13,288	17,477	8,509	8,968	4,520	6,336	6,121	7,742	4,350	3,392
North Carolina A&T State U.	58	15,671	15,051	17,606	16,684	13,488	3,196	6,070	5,490	7,280	8,401	5,974	2,427

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Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed							
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation		
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022		
Texas A&M U.-Kingsville	59	15,316	15,336	14,955	15,118	14,303	815	4,350	4,788	3,595	2,345	2,152	193		
Southern Illinois U., Carbondale	60	10,934	11,793	13,088	13,997	13,997	0	2,946	3,684	3,720	4,093	4,093	0		
Tennessee State U.	61	9,543	14,375	16,514	13,897	13,897	0	4,697	8,783	10,168	7,328	7,328	0		
Florida A&M U.	62	11,244	10,409	9,905	12,973	11,714	1,259	8,761	8,321	7,891	9,869	8,610	1,259		
Lincoln U., Jefferson City	63	2,947	5,170	6,834	11,109	10,310	799	1,498	3,117	4,933	8,695	8,310	385		
Princeton U.	64	8,634	10,766	8,592	10,751	0	10,751	2,189	3,286	2,012	2,242	0	2,242		
Tuskegee U.	65	5,756	5,871	5,873	10,137	10,130	7	4,984	5,084	5,083	4,508	4,508	0		
Duke U.	66	9,051	10,726	10,570	10,004	0	10,004	5,576	5,691	5,392	5,463	0	5,463		
Fort Valley State U.	67	4,136	4,452	4,456	9,623	9,623	0	4,066	4,371	4,192	6,919	6,919	0		
U. Alaska, Fairbanks	68	16,511	16,163	13,087	9,315	3,606	5,709	3,161	3,534	4,183	4,558	1,683	2,875		
Kentucky State U.	69	8,139	7,806	8,546	9,156	9,156	0	4,398	4,299	3,506	4,615	4,615	0		
Prairie View A&M U.	70	7,912	7,853	7,806	9,096	9,006	90	5,178	4,747	4,989	5,112	5,022	90		
U. Guam	71	6,611	7,112	8,631	8,685	3,527	5,158	4,168	4,386	5,833	5,851	2,533	3,318		
Central State U.	72	2,871	5,313	7,851	8,479	8,310	169	1,622	2,306	3,269	3,892	3,810	82		
Tarleton State U.	73	6,470	5,716	6,607	7,801	6,683	1,118	4,293	3,519	3,983	4,308	3,942	366		
Alcorn State U.	74	8,578	7,810	6,532	7,716	7,716	0	4,752	3,983	3,626	4,470	4,470	0		
Yale U.	75	11,773	11,175	11,340	7,514	0	7,514	5,609	5,185	4,948	4,888	0	4,888		
U. Illinois, Chicago	76	7,486	10,840	9,173	7,315	0	7,315	883	1,364	1,074	1,483	0	1,483		
Virginia State U.	77	6,814	5,920	6,918	7,305	7,305	0	4,029	3,572	3,122	3,774	3,774	0		
Harvard U.	78	3,435	3,028	8,049	7,218	0	7,218	2,135	1,884	5,613	4,176	0	4,176		
U. Maryland Center for Environmental Science	79	7,704	7,161	7,518	7,105	954	6,151	6,187	4,534	4,842	5,028	498	4,530		
Southern Illinois U., Edwardsville	80	8,809	3,324	416	7,055	6,908	147	0	0	49	117	117	0		
Northern Arizona U.	81	6,576	8,781	8,626	6,936	1,129	5,807	3,163	4,431	4,387	4,868	561	4,307		
West Virginia State U.	82	3,551	4,327	6,412	6,693	6,159	534	2,576	2,792	4,093	4,268	3,734	534		
U. Arkansas, Pine Bluff	83	7,621	7,218	6,740	6,291	6,291	0	3,746	3,820	2,978	2,877	2,877	0		
West Texas A&M U.	84	2,877	3,549	6,229	5,963	5,722	241	313	409	236	268	88	180		
Southern U. and A&M C., Agricultural Research and Extension Center	85	4,541	3,515	5,104	5,939	5,614	325	3,057	2,085	3,448	4,121	4,121	0		
California Polytechnic State U., San Luis Obispo	86	4,861	4,021	3,273	5,507	4,120	1,387	807	544	700	1,081	755	326		
Columbia U. in the City of New York	87	3,793	4,151	4,370	5,324	0	5,324	1,413	1,434	1,448	2,148	0	2,148		
Delaware State U.	88	6,824	3,090	3,147	5,219	4,163	1,056	3,414	2,032	2,336	4,525	3,593	932		

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Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
U. Maryland, Eastern Shore	89	615	2,044	3,555	4,474	4,453	21	611	2,039	3,284	4,297	4,276	21
Florida International U.	90	2,604	2,156	1,771	4,428	39	4,389	1,881	1,495	1,126	2,472	36	2,436
Georgia Institute of Technology	91	3,831	3,820	4,051	4,307	4,307	0	166	0	0	0	0	0
Langston U.	92	8,768	10,615	4,333	4,294	4,294	0	5,274	5,245	1,929	2,341	2,341	0
Portland State U.	93	3,626	3,657	3,409	4,274	46	4,228	1,921	2,260	2,002	3,146	22	3,124
U. Texas, Austin	94	1,550	2,584	3,261	4,242	75	4,167	488	1,016	1,252	1,495	21	1,474
U. Rhode Island	95	2,546	3,400	4,211	4,240	3,465	775	1,254	1,970	2,105	2,339	2,339	0
U. Wisconsin-Superior	96	2,122	2,025	2,338	4,213	0	4,213	1,401	1,342	1,800	3,536	0	3,536
Florida State U.	97	2,428	2,973	3,485	4,047	125	3,922	592	1,077	1,064	1,583	99	1,484
Tufts U.	98	1,048	5,539	1,450	3,836	3,836	0	197	2,693	1,073	1,993	1,993	0
U. Kansas	99	6,528	9,641	1,779	3,357	0	3,357	3,368	4,658	1,042	2,506	0	2,506
U. California, Santa Cruz	100	2,724	3,247	3,252	3,304	3,304	0	85	159	144	163	163	0
U. Colorado Boulder	101	839	2,585	3,523	3,286	1,690	1,596	418	1,183	1,557	1,941	998	943
California State Polytechnic U., Humboldt	102	5,983	5,673	4,142	3,167	174	2,993	1,313	1,028	866	894	81	813
U. of the Virgin Islands	103	3,751	4,392	3,490	3,126	3,126	0	2,692	3,265	2,706	2,227	2,227	0
U. Louisiana, Lafayette	104	1,647	262	944	3,109	1,301	1,808	213	122	211	101	10	91
U. Hawaii, Hilo	105	1,574	1,245	1,886	3,059	2,700	359	835	711	1,186	1,483	1,186	297
U. Wisconsin-Stevens Point	106	3,681	4,080	3,509	3,023	599	2,424	1,750	2,037	1,571	1,105	402	703
Drexel U.	107	2,650	3,361	3,579	2,983	0	2,983	105	365	492	671	0	671
Brigham Young U., Provo	108	2,583	2,559	3,186	2,955	2,955	0	1,274	1,090	1,746	1,597	1,597	0
California State U., Fresno	109	3,686	3,277	2,994	2,925	2,925	0	405	451	255	620	620	0
U. California, Santa Barbara	110	7,124	6,761	7,716	2,654	0	2,654	994	639	777	667	0	667
U. of the District of Columbia	111	2,538	2,157	2,726	2,618	2,618	0	1,083	235	1,568	1,786	1,786	0
Arizona State U.	112	764	457	550	2,543	0	2,543	6	57	164	293	0	293
U. California, Office of the President	113	2,552	2,503	2,171	2,347	2,071	276	117	94	138	149	149	0
U. New Mexico	114	4,418	3,768	2,636	2,221	0	2,221	2,810	2,230	1,168	688	0	688
U. North Carolina, Wilmington	115	2,019	1,818	1,934	2,178	579	1,599	794	846	928	1,003	0	1,003
Cold Spring Harbor Laboratory	116	1,622	1,657	2,272	2,112	2,112	0	1,535	1,581	2,207	2,105	2,105	0
Hobart and William Smith Colleges	117	1,185	1,484	1,619	2,059	0	2,059	618	691	593	520	0	520
Western Illinois U.	118	216	1,062	2,012	1,887	1,887	0	120	983	1,878	1,803	1,803	0
Middle Tennessee State U.	119	640	558	1,094	1,761	1,430	331	362	481	616	1,005	841	164

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		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
California State Polytechnic U., Pomona	120	1,381	838	2,002	1,748	1,748	0	287	327	391	467	467	0
Stanford U.	121	3,933	1,983	1,074	1,699	0	1,699	1,197	1,161	861	834	0	834
Boise State U.	122	1,202	1,184	1,608	1,653	769	884	807	783	1,042	1,179	558	621
California State U., Monterey Bay	123	1,501	1,164	1,409	1,637	1,637	0	506	281	231	352	352	0
Stephen F. Austin State U.	124	1,804	1,695	1,882	1,620	1,620	0	589	619	680	602	602	0
U. Texas Rio Grande Valley	125	1,121	1,324	1,434	1,610	1,603	7	894	1,145	1,360	1,460	1,460	0
U. North Texas, Denton	126	213	479	2,137	1,547	1,547	0	189	136	592	242	242	0
U. Alaska, Anchorage	127	482	1,246	878	1,538	57	1,481	177	761	799	1,453	57	1,396
Tennessee Technological U.	128	1,041	1,042	1,019	1,434	427	1,007	390	412	533	771	56	715
California State U., Chico	129	759	1,224	1,233	1,348	1,348	0	166	210	156	251	251	0
Austin Peay State U.	130	176	947	1,063	1,347	0	1,347	25	361	361	572	0	572
Baylor U.	131	576	666	744	1,346	523	823	131	200	368	729	372	357
George Mason U.	132	402	800	1,437	1,325	352	973	290	269	691	807	274	533
Dartmouth C. and Dartmouth Hitchcock Medical Center	133	949	813	691	1,252	0	1,252	602	605	543	905	0	905
Bowling Green State U.	134	463	553	498	1,194	478	716	81	154	215	466	336	130
Syracuse U.	135	1,104	859	790	1,171	0	1,171	837	727	613	857	0	857
U. Miami	136	1,403	791	911	1,166	0	1,166	1,025	603	632	976	0	976
Louisiana Tech U.	137	917	841	824	1,089	1,089	0	361	350	362	412	412	0
Loyola U., Chicago	138	616	483	579	1,061	0	1,061	470	249	328	619	0	619
SUNY, C. Brockport	139	557	886	537	1,055	0	1,055	167	153	152	509	0	509
Lake Superior State U.	140	ne	ne	ne	1,001	0	1,001	ne	ne	ne	286	0	286
U. Pennsylvania	141	926	1,140	1,003	1,000	1,000	0	150	25	6	41	41	0
U. California, San Diego	142	0	0	593	977	303	674	0	0	0	234	234	0
Texas State U.	143	349	376	544	957	957	0	296	291	414	644	644	0
Arkansas State U., Jonesboro	144	1,983	1,897	1,343	950	948	2	1,237	1,159	838	552	552	0
U. Nebraska, Kearney	145	692	546	632	947	462	485	420	303	363	527	361	166
Illinois Institute of Technology	146	1,207	863	604	933	933	0	1,147	682	366	778	778	0
San Francisco State U.	147	581	942	1,017	931	0	931	146	202	204	174	0	174
U. Massachusetts, Boston	148	808	1,020	1,113	885	84	801	6	107	119	150	67	83
U. Maryland, Baltimore County	149	738	896	867	883	693	190	412	473	370	358	341	17

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
California State U., East Bay	150	ne	0	0	878	878	0	ne	0	0	712	712	0
Missouri State U.	151	1,199	1,103	1,198	873	377	496	885	874	894	640	306	334
U. Houston-Clear Lake	152	0	0	808	837	0	837	0	0	440	463	0	463
Hawaii Pacific U.	153	700	654	654	833	833	0	700	654	654	458	458	0
Chapman U.	154	147	102	414	818	465	353	0	102	390	754	401	353
Massachusetts Institute of Technology	155	3,005	1,370	457	811	0	811	71	0	0	169	0	169
Texas A&M U.-Corpus Christi	155	177	464	441	811	341	470	137	309	229	361	148	213
Oregon Health and Science U.	157	0	799	838	802	0	802	0	799	744	802	0	802
U. Colorado Anschutz Medical Campus ^c	158	na	na	299	800	800	0	na	na	299	800	800	0
U. Nebraska, central administration	159	2,074	2,242	823	772	772	0	1,935	1,674	823	772	772	0
CUNY, Advanced Science Research Center	160	805	869	312	741	0	741	703	785	284	727	0	727
U. Missouri, Kansas City	161	0	0	0	739	739	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	162	49	0	509	699	93	606	0	0	176	475	30	445
U. California, Merced	163	0	0	201	697	697	0	0	0	1	683	683	0
New School	164	23	54	137	673	0	673	0	0	0	0	0	0
Texas A&M U.-Commerce	165	688	723	463	646	646	0	15	18	165	409	409	0
San Diego State U.	166	683	921	10	645	0	645	278	212	8	410	0	410
U. South Dakota	167	0	191	221	626	0	626	0	0	0	198	0	198
William & Mary	167	778	453	827	626	0	626	366	294	403	542	0	542
Central Michigan U.	169	192	881	873	625	12	613	98	481	527	305	0	305
U. Southern Maine	170	750	611	591	597	418	179	12	12	66	52	45	7
U. Texas, Arlington	171	517	441	446	592	0	592	4	1	0	0	0	0
Western U. of Health Sciences	172	492	533	597	577	577	0	430	456	493	453	453	0
U. Virginia, Charlottesville	173	391	769	614	562	0	562	0	0	0	0	0	0
Oregon Institute of Technology	174	90 i	67 i	477 i	560 i	0 i	560 i	90 i	67	15 i	20 i	0 i	20 i
Sul Ross State U.	175	1,578	1,595	1,654 i	544 i	403 i	141 i	330	463	486 i	126 i	94 i	32 i
Appalachian State U.	176	258	630	387	530	254	276	99	56	49	316	119	197
Alabama A&M U.	177	925 i	630 i	574 i	521 i	380 i	141 i	419 i	285 i	386 i	479 i	345 i	134 i
Georgia State U.	178	592	596	638	488	488	0	54	142	200	175	175	0
Florida Gulf Coast U.	179	36	128	1,218	482	9	473	22	42	0	0	0	0
U. Texas Southwestern Medical Center	180	0	0	0	469	0	469	0	0	0	469	0	469

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed																	
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation												
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022												
Morgan State U.	181	139	224	416	462	462	0	68	25	75	162	162	0												
Western Kentucky U.	181	548	581	525	462	462	0	334	430	217	169	169	0												
U. Pittsburgh, Pittsburgh	183	0	373	501	456	456	0	0	248	377	336	336	0												
Montclair State U.	184	582	649	371	427	146	281	110	75	38	109	0	109												
Sonoma State U.	185	ne	214	399	389	0	389	ne	0	117	104	0	104												
C. Charleston	186	132	100	147	388	157	231	75	58	51	387	157	230												
California State U., Sacramento	187	286	321	371	378	0	378	268	309	253	251	0	251												
Georgia Southern U.	188	120	323	467	369	103	266	73	59	167	87	0	87												
Saint Louis U.	189	0	0	207	361	0	361	0	0	0	37	0	37												
U. Nevada, Las Vegas	190	194	273	446	356	84	272	149	185	309	328	84	244												
U. Texas, Tyler	191	215	321	154	347	318	29	0	146	19	318	318	0												
St. Edward's U.	192	980	795	620	344	50	294	950	775	600	144	50	94												
Dine C.	193	330	19	ne	329	329	0	330	19	ne	329	329	0												
Fort Lewis C.	194	0	23	19	275	112	163	0	21	1	200	112	88												
Pittsburg State U.	195	100	113	176	272	0	272	11	61	142	264	0	264												
U. Wisconsin-Platteville	196	280	i	285	i	225	i	265	i	203	i	62	i	77	i	76	i	58	i	72	i	56	i	16	i
Florida Institute of Technology	197	0	0	297	258	223	35	0	0	213	204	204	0	0											
U. Notre Dame	198	993	424	222	252	252	0	0	0	0	0	0	0	0											
Spelman C.	199	0	0	0	242	242	0	0	0	0	242	242	0	0											
U. Mississippi	200	0	96	191	239	239	0	0	96	177	213	213	0	0											
California State U., Channel Islands	201	157	194	41	236	0	236	64	151	2	31	0	31												
Santa Clara U.	202	409	300	155	235	0	235	198	37	50	200	0	200												
Carnegie Mellon U.	203	774	476	256	234	211	23	685	427	256	211	211	0	0											
U. Houston	204	153	295	453	232	232	0	153	284	343	68	68	0	0											
Hofstra U.	205	34	191	113	231	6	225	0	0	27	4	0	4												
U. Oregon	206	778	483	531	225	0	225	659	406	363	137	0	137												
U. Northern Iowa	207	152	201	219	223	223	0	78	94	48	103	103	0	0											
Colorado School of Mines	208	288	392	366	219	188	31	288	146	310	188	188	0	0											
Eastern Washington U.	209	281	176	237	217	0	217	281	176	220	217	0	217												
Eastern Michigan U.	210	85	274	269	212	0	212	46	58	137	165	0	165												
Morehead State U.	211	10	88	74	202	0	202	0	12	61	197	0	197												

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
Stockton U.	211	0	46	152	202	0	202	0	46	152	202	0	202
Western Carolina U.	213	116	75	136	198	175	23	98	63	106	153	138	15
Tulane U.	214	384	133	159	188	0	188	130	94	110	143	0	143
C. New Jersey	215	ne	0	24	187	0	187	ne	0	0	0	0	0
Sam Houston State U.	216	289	330	526	186	186	0	283	258	343	130	130	0
U. Puerto Rico, Mayaguez	217	1,301	814	864	180	168	12	838	508	864	166	166	0
Elizabeth City State U.	218	ne	0	0	174	0	174	ne	0	0	174	0	174
U. Memphis	218	26	232	183	174	0	174	0	0	0	152	0	152
Drake U.	220	114	ne	124	172	0	172	0	ne	70	107	0	107
Kennesaw State U.	220	19	16	146	172	172	0	19	0	0	0	0	0
U. Alaska, Southeast	222	224	187	65	169	7	162	173	139	35	135	7	128
Occidental C.	223	179	90	138	159	98	61	179	90	88	98	98	0
East Carolina U.	224	0	79	164	156	156	0	0	9	0	0	0	0
Marquette U.	225	92	84	88	155	155	0	92	84	88	155	155	0
Northern Illinois U.	226	0	29	119	153	0	153	0	25	106	131	0	131
Texas A&M U.-San Antonio	227	ne	ne	ne	152	0	152	ne	ne	ne	152	0	152
Towson U.	228	76	10	32	151	0	151	76	0	0	128	0	128
Ball State U.	229	79	155	96	146	0	146	0	28	1	45	0	45
U. South Florida ^d	229	0	0	303	146	0	146	0	0	272	142	0	142
Minnesota State U., Mankato	231	0	205	0	145	145	0	0	205	0	145	145	0
Missouri U. of Science and Technology	231	0	0	0	145	141	4	0	0	0	0	0	0
U. Massachusetts, Lowell	231	457	725	264	145	0	145	0	0	0	0	0	0
U. Dayton	234	237	199	171	135	0	135	212	165	171	135	0	135
U. New Haven	234	14	0	58	135	0	135	6	0	9	4	0	4
U. North Georgia	236	106	8	10	130	24	106	16	8	8	28	23	5
Roger Williams U.	237	33	6	20	128	81	47	0	0	11	46	46	0
Bryn Mawr C.	238	0	65	0	127	0	127	0	0	0	0	0	0
Coastal Carolina U.	239	0	0	70	118	0	118	0	0	0	86	0	86
Troy U.	240	ne	112	186	115	0	115	ne	112	179	115	0	115
New Mexico Highlands U.	241	ne	55	58	114	85	29	ne	55	58	102	76	26
Southern U. and A&M C., Baton Rouge	242	210	208	212	112	27	85	210	208	117	85	0	85

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
Southern Connecticut State U.	243	71	44	105	111	98	13	68	22	58	49	49	0
Old Dominion U.	244	8	267	271	106	0	106	8	0	0	0	0	0
Kean U.	245	ne	0	0	104	43	61	ne	0	0	24	24	0
Clark U.	246	724	808	306	100	100	0	711	797	215	52	52	0
Colorado State U., Pueblo	247	470	0	0	99	0	99	0	0	0	99	0	99
Murray State U.	248	88	76	146	98	98	0	52	43	42	20	20	0
U. New England	248	85	82	58	98	0	98	27	28	20	18	0	18
California State U., Fullerton	250	416	338	200	95	81	14	340	299	174	81	81	0
Nevada State C.	251	ne	ne	ne	93	0	93	ne	ne	ne	91	0	91
Kent State U.	252	93	35	61	91	86	5	0	3	48	1	0	1
Salisbury U.	252	1	0	97	91	0	91	0	0	0	30	0	30
U. Denver	254	251	298	70	90	0	90	221	280	54	90	0	90
Monmouth U.	255	93	3	39	87	0	87	0	0	16	30	0	30
East Stroudsburg U. Pennsylvania	256	ne	ne	ne	86	0	86	ne	ne	ne	66	0	66
Naval Postgraduate School	256	0	0	0	86	86	0	0	0	0	0	0	0
U. Central Arkansas	258	0	0	0	85	0	85	0	0	0	64	0	64
Carleton C.	259	0	78	0	84	0	84	0	0	0	0	0	0
Illinois State U.	259	50	184	179	84	84	0	30	29	138	21	21	0
U. Utah	259	0 i	0 i	363 i	84	0	84	0	0	17	0	0	0
Temple U.	262	194	30	47	81	81	0	194	0	0	0	0	0
U. Colorado Denver ^C	263	na	na	106	79	29	50	na	na	106	79	29	50
Mount Holyoke C.	264	0	0	58	75	0	75	0	0	58	75	0	75
U. Louisville	265	4	109	87	74	23	51	0	0	18	51	0	51
Northern Michigan U.	266	0	97	90	73	0	73	0	97	90	73	0	73
U. Nebraska, Omaha	266	19	115	71	73	63	10	4	0	0	0	0	0
James Madison U.	268	80	105	77	68	12	56	69	85	60	44	0	44
Dakota State U.	269	7	0	80	65	65	0	0	0	80	0	0	0
U. Texas, El Paso	269	1,457	921	116	65	0	65	658	392	61	9	0	9
Yeshiva U.	271	0	0	0	63	63	0	0	0	0	63	63	0
CUNY, Hunter C.	272	0	0	0	58	58	0	0	0	0	0	0	0
Butler U.	273	ne	ne	ne	55	55	0	ne	ne	ne	50	50	0

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed					
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022
U. North Carolina, Chapel Hill	273	38	17	0	55	0	55	0	0	0	0	0	0
Texas A&M International U.	275	66	104	23	53	0	53	12	0	0	0	0	0
Plymouth State U.	276	ne	ne	ne	49	0	49	ne	ne	ne	26	0	26
U. Missouri, Saint Louis	277	411	229	108	48	0	48	202	217	108	48	0	48
DePaul U.	278	19	1	0	46	0	46	1	0	0	0	0	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	279	27	4	4	45	0	45	1	0	0	7	0	7
St. Cloud State U.	280	10	4	85	44	27	17	0	0	85	24	24	0
Pennsylvania State U., Harrisburg	281	89	2	21	43	43	0	5	2	21	0	0	0
SUNY, Oswego	282	0	0	0	42	0	42	0	0	0	0	0	0
Whitman C.	283	0	0	ne	41	0	41	0	0	ne	14	0	14
Long Island U.	284	0	0	0	37	37	0	0	0	0	0	0	0
Central Washington U.	285	0	21	13	36	0	36	0	19	6	0	0	0
Pacific U.	285	569	48	24	36	0	36	13	0	0	11	0	11
Kenyon C.	287	0	0	ne	35	0	35	0	0	ne	35	0	35
U. Louisiana, Monroe	288	34	29	28	34	34	0	0	0	0	0	0	0
U. Washington, Tacoma	289	563	163	38	33	0	33	385	161	38	33	0	33
Northland C.	290	ne	ne	26 i	31 i	0 i	31 i	ne	ne	13 i	15 i	0 i	15 i
Black Hills State U.	291	0	38	6	30	0	30	0	31	2	28	0	28
C. Wooster	292	26	15	24 i	29	29	0	26	5	10 i	14	14	0
California State U., Bakersfield	292	0	0	8	29	29	0	0	0	8	29	29	0
Florida Atlantic U.	294	249	73	0	28	28	0	249	67	0	27	27	0
Miami U.	295	48	42	26	27	27	0	0	0	0	0	0	0
Texas Christian U.	296	57	47	43	26	26	0	0	47	25	26	26	0
Barnard C.	297	21	67	135	25	25	0	10	57	135	0	0	0
SUNY, Binghamton U.	298	109	66	50	24	0	24	0	0	0	0	0	0
U. Alabama, Huntsville	298	0	2	9	24	24	0	0	0	9	24	24	0
Mercyhurst U.	300	37 i	33 i	28 i	23	0	23	0 i	0 i	0 i	0	0	0
Wayne State U.	300	0	0	0	23	0	23	0	0	0	23	0	23
U. North Florida	302	0	0	0	21	0	21	0	0	0	0	0	0
Vassar C.	302	0	0	21	21	0	21	0	0	0	0	0	0

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2022 agricultural sciences and natural resources conservation total: FYs 2019–22

(Dollars in thousands)

Institution	Rank	Total						Federally financed							
		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation		
		2019	2020	2021	2022	2022	2022	2019	2020	2021	2022	2022	2022		
Alaska Pacific U.	304	71	38	29	20	20	0	71	38	29	20	20	0		
Midwestern U.	304	6	33	22	20	20	0	6	33	22	0	0	0		
Northeastern Illinois U.	304	0	0	27	20	20	0	0	0	27	20	20	0		
Pomona C.	304	0	0	0	20	0	20	0	0	0	0	0	0		
U. San Francisco	308	31	37	32	19	0	19	0	0	0	0	0	0		
Michigan Technological U.	309	209	0	0	18	18	0	0	0	0	0	0	0		
Saint John's U.	310	0 i	0 i	15 i	17 i	0 i	17 i	0 i	0 i	0 i	0 i	0 i	0 i		
U. Arkansas, Little Rock	310	23	10	19	17	17	0	21	9	2	17	17	0		
C. of Saint Benedict	312	0 i	0 i	13 i	15 i	0 i	15 i	0 i	0 i	0 i	0 i	0 i	0 i		
Northern Kentucky U.	313	17	17	0	11	0	11	0	0	0	0	0	0		
Brandeis U.	314	0	0	0	9	0	9	0	0	0	9	0	9		
Calvin U.	314	0	5 i	7 i	9 i	0 i	9 i	0	0	0	0	0	0		
Seattle U.	316	0	0	4	8	8	0	0	0	4	8	8	0		
CUNY, New York City C. of Technology	317	0	0	0	6	0	6	0	0	0	0	0	0		
U. Toledo	318	338	26	35	5	5	0	311	19	0	0	0	0		
U. Virginia's C. Wise	319	ne	ne	0	4	4	0	ne	ne	0	2	2	0		
Loyola Marymount U.	320	0	28	40	3	0	3	0	28	0	0	0	0		
U. San Diego	320	0	0	0	3	3	0	0	0	0	0	0	0		
CUNY, C. Staten Island	322	0	0	0	2	0	2	0	0	0	0	0	0		
Ithaca C.	322	ne	0	0	2	0	2	ne	0	0	0	0	0		
U. New Orleans	322	0	0	30	2	0	2	0	0	30	2	0	2		
Washington U., Saint Louis	322	0	0	0	2	0	2	0	0	0	0	0	0		
William Paterson U.	322	0	22	11	2	0	2	0	22	0	0	0	0		
California State U., Long Beach	327	0	0	0	1	0	1	0	0	0	1	0	1		
California State U., San Bernardino	327	509	400	121	1	0	1	447	346	106	1	0	1		
Eastern Connecticut State U.	327	1	0	5	1	1	0	0	0	1	1	1	0		
Grand Valley State U.	327	0	0	0	1	1	0	0	0	0	0	0	0		
Smith C.	327	0	0	11	1	0	1	0	0	9	0	0	0		
U. Illinois, Springfield	327	4	4	3	1	0	1	0	0	0	0	0	0		
All other surveyed institutions	-	64,322	4,342	1,400	0	0	0	24,007	2,447	313	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.

^c The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

^d The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2022 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.