

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023
All institutions	-	4,527,521	4,488,384	4,952,648	5,365,205	4,285,689	1,079,516	1,485,208	1,531,314	1,749,401	1,971,543	1,458,868	512,675
U. Florida	1	233,690	228,232	248,663	261,866	238,803	23,063	61,814	57,900	64,426	67,446	59,450	7,996
Texas A&M U., College Station and Health Science Center	2	200,508	195,660	227,880	253,874	234,915	18,959	52,021	52,146	59,822	66,548	55,376	11,172
Colorado State U., Fort Collins	3	163,384	187,752	182,374	204,776	68,745	136,031	114,462	129,050	132,281	143,817	23,990	119,827
U. California, Davis	4	150,069	143,311	152,571	170,896	170,896	0	34,067	32,317	45,346	47,884	47,884	0
Michigan State U.	5	126,904	127,515	142,331	157,701	142,085	15,616	38,894	41,449	45,777	55,798	52,018	3,780
Cornell U.	6	139,521	123,927	135,439	149,848	124,227	25,621	37,466	35,393	36,595	42,535	39,031	3,504
Purdue U., West Lafayette	7	123,324	122,841	135,315	147,520	147,520	0	33,464	37,063	43,025	51,892	51,892	0
U. Wisconsin-Madison	8	105,235	115,937	129,292	145,978	144,969	1,009	33,870	40,457	47,380	55,200	55,114	86
U. Minnesota, Twin Cities	9	129,207	122,668	129,454	145,585	88,091	57,494	34,793	35,744	41,367	50,492	34,200	16,292
U. Missouri, Columbia	10	84,797	99,983	117,308	142,095	122,054	20,041	24,267	29,409	40,303	65,548	57,022	8,526
North Carolina State U.	11	108,002	108,416	122,332	141,251	141,251	0	19,714	23,589	32,645	42,459	42,459	0
U. Georgia	12	122,712	114,117	127,016	133,052	132,030	1,022	32,666	30,083	38,838	39,657	39,657	0
U. Illinois, Urbana-Champaign	13	161,358	162,189	171,622	130,658	81,241	49,417	65,375	65,980	73,839	52,872	33,560	19,312
Mississippi State U.	14	106,989	114,811	122,973	129,457	108,551	20,906	32,121	36,694	40,206	43,383	34,361	9,022
U. Nebraska, Lincoln and Medical Center ^a	15	na	na	na	127,500	106,723	20,777	na	na	na	36,884	28,261	8,623
Oregon State U.	16	96,878	98,213	111,314	122,071	90,915	31,156	36,754	38,784	47,783	54,407	37,523	16,884
Virginia Polytechnic Institute and State U.	17	110,301	106,619	120,664	113,094	84,682	28,412	28,411	31,754	35,918	37,712	25,457	12,255
Washington State U.	18	109,269	114,256	111,879	109,796	105,370	4,426	29,226	39,440	41,557	44,759	43,232	1,527
North Dakota State U.	19	87,874	92,492	102,515	106,676	96,881	9,795	10,228	13,243	12,789	14,531	13,334	1,197
Louisiana State U., Baton Rouge	20	97,776	97,527	101,431	104,692	94,162	10,530	18,499	21,161	22,463	24,387	20,707	3,680
Kansas State U.	21	95,332	92,231	98,598	103,613	103,613	0	28,326	29,741	32,226	33,141	33,141	0
Ohio State U.	22	78,240	78,004	96,471	96,000	82,811	13,189	34,209	35,592	38,769	39,499	33,382	6,117
Pennsylvania State U., University Park and Hershey Medical Center	23	101,950	88,295	95,970	91,711	76,450	15,261	39,389	26,615	31,745	30,759	27,765	2,994
Iowa State U.	24	51,947	51,837	85,319	85,524	85,524	0	24,024	21,142	32,767	31,715	31,715	0
U. California, Berkeley	25	72,606	76,411	76,716	85,272	6,615	78,657	26,274	27,098	29,119	30,839	678	30,161
U. Arkansas, Fayetteville	26	67,999	69,390	79,353	85,026	72,798	12,228	13,186	11,376	14,728	18,116	14,590	3,526
Auburn U., Auburn	27	73,703	71,120	85,625	83,666	81,428	2,238	14,290	19,288	22,023	30,294	29,320	974
U. Arizona	28	63,861	63,062	69,152	81,238	66,914	14,324	20,111	19,584	20,723	29,476	22,126	7,350
U. Maryland ^b	29	54,930	54,140	58,272	70,834	68,319	2,515	24,881	24,472	30,832	36,495	35,211	1,284
U. Idaho	30	50,957	48,205	53,416	67,641	52,219	15,422	16,228	15,947	18,218	27,898	21,761	6,137

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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 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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		
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023		
Rutgers, State U. New Jersey, New Brunswick	31	77,439	64,908	69,637	67,614	65,222	2,392	24,468	31,252	26,439	23,701	21,851	1,850		
U. Kentucky	32	69,756	63,522	61,281	66,265	66,265	0	13,703	13,036	12,948	16,117	16,117	0		
U. Tennessee, Knoxville	33	51,999	49,803	56,586	64,334	54,420	9,914	15,842	14,186	15,115	18,463	12,857	5,606		
Utah State U.	34	48,834	46,361	51,009	55,555	35,549	20,006	21,159	20,644	24,826	25,086	14,421	10,665		
Montana State U., Bozeman	35	40,881	44,174	51,295	54,181	54,025	156	12,020	14,586	18,441	21,676	21,612	64		
Texas Tech U.	36	31,317	36,386	39,791	50,807	44,566	6,241	2,685	3,403	5,453	8,264	6,687	1,577		
Oklahoma State U., Stillwater	37	46,936	45,875	45,257	50,222	34,453	15,769	9,060	10,370	11,444	12,049	7,084	4,965		
South Dakota State U.	38	41,442	32,467	38,410	48,313	44,565	3,748	11,921	7,918	10,400	16,208	14,006	2,202		
U. Vermont	39	23,292	27,833	32,296	38,782	30,263	8,519	10,687	14,122	17,156	23,104	21,073	2,031		
New Mexico State U.	40	31,700	32,291	32,886	37,648	37,545	103	7,867	7,532	6,986	10,236	10,146	90		
U. Delaware	41	32,048	30,290	30,550	34,194	34,194	0	8,759	9,280	9,031	9,917	9,917	0		
U. Massachusetts, Amherst	42	23,951	24,423	29,498	32,967	23,426	9,541	13,918	14,403	15,683	18,026	13,073	4,953		
U. Maine	43	28,023	28,286	30,035	32,885	21,727	11,158	14,264	14,578	15,187	17,133	10,585	6,548		
Clemson U.	44	23,702	21,945	25,933	29,653	29,632	21	6,920	6,629	9,076	10,578	10,578	0		
U. Texas M. D. Anderson Cancer Center	45	22,868	21,748	22,773	28,775	28,775	0	8,112	7,306	4,050	9,626	9,626	0		
U. Michigan, Ann Arbor	46	24,512	20,106	23,636	27,445	2,872	24,573	10,218	6,254	8,303	10,319	5	10,314		
West Virginia U.	47	23,438	22,267	25,295	27,090	16,080	11,010	9,298	9,364	11,360	12,568	6,409	6,159		
U. Wyoming	48	23,104	16,213	22,535	26,925	18,589	8,336	16,085	11,557	13,276	16,880	10,653	6,227		
U. Washington, Seattle	49	25,393	26,338	25,673	26,623	150	26,473	13,552	14,570	13,475	13,908	0	13,908		
U. New Hampshire	50	25,849	23,015	29,552	26,295	17,902	8,393	13,460	12,790	12,985	12,785	6,709	6,076		
U. California, Riverside	51	21,969	22,645	28,479	25,563	25,563	0	6,876	8,249	12,449	10,875	10,875	0		
U. Connecticut	52	11,816	14,299	18,240	22,933	15,498	7,435	5,443	5,293	7,548	9,602	7,028	2,574		
U. Montana, Missoula	53	18,646	20,918	20,744	20,774	421	20,353	8,806	10,599	10,353	9,858	0	9,858		
U. Hawaii, Manoa	54	15,802	15,585	18,553	20,289	18,600	1,689	8,710	7,780	10,882	11,977	10,772	1,205		
North Carolina A&T State U.	55	15,051	17,606	16,684	19,965	16,641	3,324	5,490	7,280	8,401	9,639	7,313	2,326		
SUNY, C. of Environmental Science and Forestry	56	16,412	16,516	19,287	19,505	1,198	18,307	3,767	3,119	3,846	5,100	551	4,549		
U. Minnesota, Duluth	57	18,489	17,840	17,911	19,186	0	19,186	3,431	3,178	3,838	4,868	0	4,868		
U. Nevada, Reno	58	14,600	13,288	17,477	18,885	8,697	10,188	6,336	6,121	7,742	7,566	3,499	4,067		
Tennessee State U.	59	14,375	16,514	13,897	16,690	16,690	0	8,783	10,168	7,328	11,163	11,163	0		
Texas A&M U.-Kingsville	60	15,336	14,955	15,118	16,019	14,713	1,306	4,788	3,595	2,345	2,490	2,027	463		
Princeton U.	61	10,766	8,592	10,751	15,432	0	15,432	3,286	2,012	2,242	3,499	0	3,499		
Fort Valley State U.	62	4,452	4,456	9,623	15,331	15,331	0	4,371	4,192	6,919	7,300	7,300	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 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023
Southern Illinois U., Carbondale	63	11,793	13,088	13,997	15,006	14,740	266	3,684	3,720	4,093	5,172	5,172	0
Tufts U.	64	5,539	1,450	3,836	14,774	4,674	10,100	2,693	1,073	1,993	7,550	2,540	5,010
Florida A&M U.	65	10,409	9,905	12,973	14,763	14,011	752	8,321	7,891	9,869	11,242	10,490	752
Tuskegee U.	66	5,871	5,873	10,137	11,670	11,670	0	5,084	5,083	4,508	5,324	5,324	0
Kentucky State U.	67	7,806	8,546	9,156	11,578	11,460	118	4,299	3,506	4,615	7,605	7,487	118
Northern Arizona U.	68	8,781	8,626	6,936	11,378	1,922	9,456	4,431	4,387	4,868	6,556	849	5,707
Alcorn State U.	69	7,810	6,532	9,631	11,084	11,084	0	3,983	3,626	5,642	6,675	6,675	0
Southern Illinois U., Edwardsville	70	3,324	416	7,055	10,957	10,933	24	0	49	117	296	296	0
U. Alaska, Fairbanks	71	16,163	13,087	9,315	10,755	4,041	6,714	3,534	4,183	4,558	5,571	1,544	4,027
Prairie View A&M U.	72	7,853	7,806	9,096	10,113	9,816	297	4,747	4,989	5,112	5,722	5,463	259
Central State U.	73	5,313	7,851	8,479	10,034	9,809	225	2,306	3,269	3,892	4,434	4,346	88
U. Guam	74	7,112	8,631	8,685	9,984	4,937	5,047	4,386	5,833	5,851	7,123	3,725	3,398
Duke U.	75	10,726	10,570	10,004	9,756	0	9,756	5,691	5,392	5,463	5,414	0	5,414
Yale U.	76	11,175	11,340	7,514	9,041	0	9,041	5,185	4,948	4,888	4,717	0	4,717
Virginia State U.	77	5,920	6,918	7,305	8,871	8,871	0	3,572	3,122	3,774	4,390	4,390	0
Tarleton State U.	78	5,716	6,607	7,801	8,691	7,186	1,505	3,519	3,983	4,308	4,375	3,706	669
Langston U.	79	10,615	4,333	4,294	8,150	8,150	0	5,245	1,929	2,341	3,932	3,932	0
Delaware State U.	80	3,090	3,147	5,219	7,864	6,702	1,162	2,032	2,336	4,525	5,158	4,151	1,007
Michigan Technological U.	81	0	0	18	7,803	0	7,803	0	0	0	3,444	0	3,444
California Polytechnic State U., San Luis Obispo	82	4,021	3,273	5,507	6,995	4,586	2,409	544	700	1,081	1,518	1,018	500
West Texas A&M U.	83	3,549	6,229	5,963	6,982	6,974	8	409	236	268	517	509	8
Southern U. and A&M C., Agricultural Research and Extension Center	84	3,515	5,104	5,939	6,728	6,298	430	2,085	3,448	4,121	4,688	4,688	0
Lincoln U., Jefferson City	85	5,170	6,834	11,109	6,626	6,626	0	3,117	4,933	8,695	3,978	3,978	0
U. Maryland Center for Environmental Science	86	7,161	7,518	7,105	6,565	1,054	5,511	4,534	4,842	5,028	5,057	507	4,550
Arizona State U.	87	457	550	2,543	6,382	130	6,252	57	164	293	758	93	665
U. Arkansas, Pine Bluff	88	7,218	6,740	6,291	6,034	5,468	566	3,820	2,978	2,877	3,049	2,483	566
California State Polytechnic U., Humboldt	89	5,673	4,142	3,167	5,936	731	5,205	1,028	866	894	1,421	176	1,245
U. Maryland, Eastern Shore	90	2,044	3,555	4,474	5,689	5,675	14	2,039	3,284	4,297	5,391	5,377	14
U. Rhode Island	91	3,400	4,211	4,240	5,436	5,436	0	1,970	2,105	2,339	3,730	3,730	0
U. Texas, Austin	92	2,584	3,261	4,242	5,387	167	5,220	1,016	1,252	1,495	1,930	3	1,927
West Virginia State U.	93	4,327	6,412	6,693	5,203	5,203	0	2,792	4,093	4,268	2,777	2,777	0
Brigham Young U., Provo	94	2,559	3,186	2,955	4,955	4,942	13	1,090	1,746	1,597	1,839	1,839	0

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		Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation	Agricultural sciences and natural resources conservation				Agricultural sciences	Natural resources and conservation
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023
Georgia Institute of Technology	95	3,820	4,051	4,307	4,395	4,395	0	0	0	0	5	5	0
Florida State U.	96	2,973	3,485	4,047	4,086	104	3,982	1,077	1,064	1,583	1,173	77	1,096
Harvard U.	97	3,028	8,049	7,218	4,068	0	4,068	1,884	5,613	4,176	2,259	0	2,259
Portland State U.	98	3,657	3,409	4,274	4,049	0	4,049	2,260	2,002	3,146	2,938	0	2,938
Long Island U.	99	0	0	37	4,002	4,002	0	0	0	0	422	422	0
California State U., Fresno	100	3,277	2,994	2,925	3,848	3,848	0	451	255	620	712	712	0
Columbia U. in the City of New York	101	4,151	4,370	5,324	3,842	0	3,842	1,434	1,448	2,148	1,584	0	1,584
U. Wisconsin-Stevens Point	102	4,080	3,509	3,023	3,815	689	3,126	2,037	1,571	1,105	1,760	412	1,348
U. California, Santa Cruz	103	3,247	3,252	3,304	3,576	3,576	0	159	144	163	128	128	0
U. Louisiana, Lafayette	104	262	944	3,109	3,423	1,433	1,990	122	211	101	111	11	100
Florida International U.	105	2,156	1,771	4,428	3,359	76	3,283	1,495	1,126	2,472	2,587	58	2,529
U. Colorado Boulder	106	2,585	3,523	3,286	3,270	1,466	1,804	1,183	1,557	1,941	1,530	635	895
U. Kansas	107	9,641	1,779	3,357	3,261	0	3,261	4,658	1,042	2,506	2,260	0	2,260
U. Hawaii, Hilo	108	1,245	1,886	3,059	3,210	2,481	729	711	1,186	1,483	1,831	1,272	559
U. of the Virgin Islands	109	4,392	3,490	3,126	3,126	3,126	0	3,265	2,706	2,227	2,227	2,227	0
U. New Mexico	110	3,768	2,636	2,221	3,066	17	3,049	2,230	1,168	688	1,038	13	1,025
Cold Spring Harbor Laboratory	111	1,657	2,272	2,112	2,938	2,938	0	1,581	2,207	2,105	2,934	2,934	0
U. Alaska, Anchorage	112	1,246	878	1,538	2,836	9	2,827	761	799	1,453	2,300	9	2,291
U. Massachusetts, Boston	113	1,020	1,113	885	2,652	200	2,452	107	119	150	1,282	174	1,108
Drexel U.	114	3,361	3,579	2,983	2,639	0	2,639	365	492	671	255	0	255
William & Mary	115	453	827	626	2,583	0	2,583	294	403	542	537	0	537
Western Illinois U.	116	1,062	2,012	1,887	2,523	2,523	0	983	1,878	1,803	2,284	2,284	0
Boise State U.	117	1,184	1,608	1,653	2,409	1,039	1,370	783	1,042	1,179	1,606	753	853
California State U., Monterey Bay	118	1,164	1,409	1,637	2,251	2,195	56	281	231	352	697	697	0
Texas State U.	119	376	544	957	2,165	2,165	0	291	414	644	1,364	1,364	0
U. North Carolina, Wilmington	120	1,818	1,934	2,178	2,137	372	1,765	846	928	1,003	1,248	0	1,248
U. Texas Rio Grande Valley	121	1,324	1,434	1,610	2,040	1,952	88	1,145	1,360	1,460	1,847	1,801	46
California State U., Chico	122	1,224	1,233	1,348	1,985	1,985	0	210	156	251	256	256	0
Stanford U.	122	1,983	1,074	1,699	1,985	0	1,985	1,161	861	834	964	0	964
U. Wisconsin-River Falls	124	125	551	ne	1,972	1,972	0	64	32	ne	126	126	0
Pennsylvania State U., Behrend	125	0	509	699	1,876	221	1,655	0	176	475	1,295	62	1,233
U. Miami	126	791	911	1,166	1,824	0	1,824	603	632	976	1,215	0	1,215

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		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023		
Tennessee Technological U.	127	1,042	1,019	1,434	1,809	866	943	412	533	771	704	74	630		
Morgan State U.	128	224	416	462	1,772	1,772	0	25	75	162	415	415	0		
Stephen F. Austin State U.	129	1,695	1,882	1,620	1,753	1,753	0	619	680	602	652	652	0		
California State Polytechnic U., Pomona	130	838	2,002	1,748	1,745	1,745	0	327	391	467	725	725	0		
Austin Peay State U.	131	947	1,063	1,347	1,662	0	1,662	361	361	572	832	0	832		
Syracuse U.	132	859	790	1,171	1,659	0	1,659	727	613	857	1,233	0	1,233		
Massachusetts Institute of Technology	133	1,370	457	811	1,637	801	836	0	0	169	202	0	202		
CUNY, City C.	134	0	30	0	1,631	0	1,631	0	0	0	1,318	0	1,318		
Dartmouth C. and Dartmouth Hitchcock Medical Center	135	813	691	1,252	1,523	0	1,523	605	543	905	1,028	0	1,028		
Hobart and William Smith Colleges	136	1,484	1,619	2,059	1,495	16	1,479	691	593	520	438	0	438		
SUNY, C. Brockport	137	886	537	1,055	1,416	37	1,379	153	152	509	598	0	598		
George Mason U.	138	800	1,437	1,325	1,414	313	1,101	269	691	807	848	258	590		
South Carolina State U.	139	940	i 1,092	i 1,250	i 1,405	577	828	874	i 962	i 1,052	i 1,142	424	718		
Bowling Green State U.	140	553	498	1,194	1,399	541	858	154	215	466	438	335	103		
Florida Gulf Coast U.	141	128	1,218	482	1,387	4	1,383	42	0	0	532	3	529		
New Mexico Highlands U.	142	55	729	i 1,032	i 1,336	0	1,336	55	699	i 1,003	i 1,307	0	1,307		
Lincoln Memorial U.	143	ne	ne	ne	1,319	1,319	0	ne	ne	ne	2	2	0		
Hawaii Pacific U.	144	654	654	833	1,278	1,278	0	654	654	458	510	510	0		
San Francisco State U.	145	942	i 1,017	931	1,253	0	1,253	202	i 204	174	528	0	528		
Illinois Institute of Technology	146	863	604	933	1,245	1,245	0	682	366	778	1,032	1,032	0		
U. Maryland, Baltimore County	147	896	867	883	1,213	449	764	473	370	358	318	185	133		
U. Texas Health Science Center, Tyler	148	0	0	0	1,210	1,210	0	0	0	0	1,210	1,210	0		
Loyola U., Chicago	149	483	579	1,061	1,127	0	1,127	249	328	619	634	0	634		
Chapman U.	150	102	414	818	1,119	473	646	102	390	754	1,061	471	590		
U. Pennsylvania	151	1,140	1,003	1,000	1,109	1,109	0	25	6	41	126	126	0		
Missouri State U.	152	1,103	1,198	873	1,049	265	784	874	894	640	670	220	450		
Lake Superior State U.	153	ne	ne	1,001	1,034	0	1,034	ne	ne	286	0	0	0		
U. Nevada, Las Vegas	154	273	446	356	1,017	51	966	185	309	328	812	48	764		
Middle Tennessee State U.	155	558	1,094	1,761	1,011	1,011	0	481	616	1,005	579	579	0		
U. California, Office of the President	156	2,503	2,171	2,347	1,010	1,004	6	94	138	149	25	25	0		
Alabama A&M U.	157	630	i 574	i 521	i 998	i 760	i 238	i 285	i 386	i 479	i 633	i 456	i 177		
Louisiana Tech U.	158	841	824	1,089	962	962	0	350	362	412	428	428	0		

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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	
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023	
U. Illinois, Chicago	159	10,840	9,173	7,315	943	0	943	1,364	1,074	1,483	132	0	132	
U. Missouri, Kansas City	160	0	0	739	939	938	1	0	0	0	0	0	0	
Texas A&M U.-Corpus Christi	161	464	441	811	924	435	489	309	229	361	223	169	54	
Texas A&M U.-Commerce	162	723	463	646	831	831	0	18	165	409	228	228	0	
U. Colorado Anschutz Medical Campus ^c	163	na	299	800	827	827	0	na	299	800	827	827	0	
U. Houston-Clear Lake	164	0	808	837	823	0	823	0	440	463	615	0	615	
Appalachian State U.	165	630	387	530	798	400	398	56	49	316	366	334	32	
Western Kentucky U.	166	581	525	462	785	785	0	430	217	169	354	354	0	
New School	167	54	137	673	775	0	775	0	0	0	0	0	0	
Tulane U.	168	133	159	188	761	0	761	94	110	143	368	0	368	
CUNY, Graduate Center	169	0	0	0	731	173	558	0	0	0	0	0	0	
Dine C.	169	19	ne	329	731	221	510	19	ne	329	646	186	460	
Florida Institute of Technology	171	0	297	258	681	208	473	0	213	204	681	208	473	
Baylor U.	172	666	744	1,346	641	250	391	200	368	729	564	196	368	
U. Wisconsin-Superior	173	2,025	2,338	4,213	626	0	626	1,342	1,800	3,536	4	0	4	
U. California, Merced	174	0	201	697	621	621	0	0	1	683	609	609	0	
Old Dominion U.	175	267	271	106	596	0	596	0	0	0	0	0	0	
San Diego State U.	176	921	10	964	594	0	594	212	8	677	538	0	538	
Western U. of Health Sciences	177	533	597	577	589	589	0	456	493	453	472	472	0	
Central Michigan U.	178	881	873	625	573	0	573	481	527	305	266	0	266	
SUNY, U. Buffalo	179	0	0	0	563	563	0	0	0	0	563	563	0	
Oregon Institute of Technology	180	67	i 477	i 560	i 560	i 0	i 560	67	15	i 20	i 81	i 0	i 81	
U. Texas, Arlington	181	441	446	592	553	0	553	1	0	0	0	0	0	
U. California, San Diego	182	0	593	977	552	0	552	0	0	234	0	0	0	
U. South Dakota	183	191	221	626	540	0	540	0	0	198	184	0	184	
U. Pittsburgh, Pittsburgh	184	373	501	456	531	531	0	248	377	336	361	361	0	
California State U., East Bay	185	0	0	878	504	504	0	0	0	712	504	504	0	
U. Houston	186	295	453	232	487	307	180	284	343	68	225	47	178	
CUNY, Advanced Science Research Center	187	869	312	741	485	0	485	785	284	727	467	0	467	
Sul Ross State U.	188	1,595	298	i 391	i 484	484	0	463	81	i 116	i 151	151	0	
U. Nebraska, Kearney	189	546	632	947	481	37	444	303	363	527	183	13	170	
U. Southern Maine	190	611	591	597	464	206	258	12	66	52	91	14	77	

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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		
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023		
Georgia Southern U.	191	323	467	369	435	47	388	59	167	87	131	0	131		
Arkansas State U., Jonesboro	192	1,897	1,343	950	426	421	5	1,159	838	552	377	377	0		
U. Mississippi	192	96	191	239	426	426	0	96	177	213	401	401	0		
U. Hawaii, Maui C.	194	ne	0	ne	425	0	425	ne	0	ne	425	0	425		
Eastern Michigan U.	195	274	269	212	415	0	415	58	137	165	240	0	240		
Fort Lewis C.	196	23	19	275	398	275	123	21	1	200	369	275	94		
U. Oregon	197	483	531	225	392	0	392	406	363	137	85	0	85		
Sonoma State U.	198	214	399	389	387	0	387	0	117	104	71	0	71		
Montclair State U.	199	649	371	427	371	54	317	75	38	109	194	5	189		
Benedict C.	200	21	ne	ne	354	354	0	21	ne	ne	354	354	0		
Troy U.	201	112	186	115	346	270	76	112	179	115	283	207	76		
Oklahoma State U., Center for Health Sciences	202	0	0	0	340	340	0	0	0	0	0	0	0		
Pittsburg State U.	203	113	176	272	330	0	330	61	142	264	315	0	315		
California State U., Sacramento	204	321	371	378	329	0	329	309	253	251	100	0	100		
U. Alaska, Southeast	205	187	65	169	302	0	302	139	35	135	280	0	280		
SUNY, Binghamton U.	206	66	50	24	301	0	301	0	0	0	6	0	6		
U. Nebraska, Omaha	207	115	71	73	299	273	26	0	0	0	0	0	0		
U. Wisconsin-Platteville	208	285	225	265	292	224	68	76	58	72	77	60	17		
U. Notre Dame	209	424	222	252	282	282	0	0	0	0	0	0	0		
Hofstra U.	210	191	113	231	281	34	247	0	27	4	0	0	0		
U. San Francisco	211	37	32	19	271	0	271	0	0	0	0	0	0		
St. Edward's U.	212	795	620	344	264	79	185	775	600	144	59	59	0		
California State U., Channel Islands	213	194	41	236	258	0	258	151	2	31	35	0	35		
Brandeis U.	214	0	0	9	254	234	20	0	0	9	20	0	20		
Northern Illinois U.	215	29	119	153	249	0	249	25	106	131	139	0	139		
Eastern Kentucky U.	216	4	3	ne	241	46	195	0	0	ne	152	36	116		
Stockton U.	217	46	152	202	239	0	239	46	152	202	239	0	239		
U. Northern Iowa	218	201	219	223	227	227	0	94	48	103	115	115	0		
U. Dayton	219	199	171	135	216	0	216	165	171	135	216	0	216		
Oregon Health and Science U.	220	799	838	802	214	0	214	799	744	802	195	0	195		
Eastern Washington U.	221	176	237	217	210	0	210	176	220	217	210	0	210		
Illinois State U.	222	184	179	84	202	202	0	29	138	21	107	107	0		

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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		
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023		
Missouri U. of Science and Technology	223	0	0	145	191	189	2	0	0	0	0	0	0	0	
Kent State U.	224	35	61	91	187	91	96	3	48	1	68	0	68		
Occidental C.	225	90	138	159	181	111	70	90	88	98	111	111	0		
Southern U. and A&M C., Baton Rouge	225	208	212	112	181	12	169	208	117	85	169	0	169		
Coastal Carolina U.	227	0	70	118	180	0	180	0	0	86	66	0	66		
U. North Texas, Denton	228	479	2,137	1,547	175	175	0	136	592	242	0	0	0		
East Carolina U.	229	79	164	156	173	173	0	9	0	0	8	8	0		
U. Memphis	230	232	183	174	172	18	154	0	0	152	141	0	141		
Ball State U.	231	155	96	146	171	0	171	28	1	45	11	0	11		
St. Cloud State U.	232	4	85	44	168	63	105	0	85	24	63	63	0		
U. Louisville	233	109	87	74	163	119	44	0	18	51	154	119	35		
U. South Carolina, Beaufort	234	ne	ne	ne	161	109	52	ne	ne	ne	87	87	0		
Texas A&M U.-San Antonio	235	ne	ne	152	158	0	158	ne	ne	152	154	0	154		
Colorado C.	236	35	96	0	156	0	156	0	96	0	141	0	141		
CUNY, Baruch C.	237	0	8	0	153	0	153	0	0	0	0	0	0		
Western Carolina U.	237	75	136	198	153	116	37	63	106	153	92	92	0		
Towson U.	239	10	32	151	152	0	152	0	0	128	128	0	128		
Southern Connecticut State U.	240	44	105	111	151	124	27	22	58	49	110	100	10		
Clark U.	241	808	306	100	148	148	0	797	215	52	0	0	0		
U. North Florida	242	0	0	21	147	0	147	0	0	0	0	0	0		
Morehead State U.	243	88	74	202	146	0	146	12	61	197	145	0	145		
California State U., Long Beach	244	0	0	1	144	0	144	0	0	1	125	0	125		
Texas Christian U.	245	47	43	26	142	133	9	47	25	26	132	132	0		
Loyola Marymount U.	246	28	40	3	141	0	141	28	0	0	0	0	0		
SUNY, Cobleskill	247	ne	ne	0	140	0	140	ne	ne	0	136	0	136		
Pennsylvania State U., Altoona	248	ne	ne	ne	137	0	137	ne	ne	ne	0	0	0		
Yeshiva U.	249	0	0	63	129	129	0	0	0	63	129	129	0		
Pacific U.	250	48	24	36	127	0	127	0	0	11	127	0	127		
Colorado State U., Pueblo	251	0	0	99	126	126	0	0	0	99	43	43	0		
Santa Clara U.	252	300	155	235	116	0	116	37	50	200	53	0	53		
Sam Houston State U.	253	330	526	186	108	108	0	258	343	130	84	84	0		
Drake U.	254	ne	124	172	106	0	106	ne	70	107	15	0	15		

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023
Carnegie Mellon U.	255	476	256	234	105	60	45	427	256	211	0	0	0
Nevada State C.	255	ne	ne	93	105	0	105	ne	ne	91	105	0	105
U. of Mary Washington	255	0	0	0	105	0	105	0	0	0	0	0	0
Monmouth U.	258	3	39	87	104	15	89	0	16	30	52	15	37
U. Denver	259	298	70	90	103	47	56	280	54	90	93	43	50
U. Houston-Downtown	259	0	0	0	103	0	103	0	0	0	83	0	83
SUNY, Oswego	261	0	0	42	102	3	99	0	0	0	48	0	48
Naval Postgraduate School	262	0	0	86	100	0	100	0	0	0	0	0	0
California State U., Bakersfield	263	0	8	29	99	99	0	0	8	29	89	89	0
Roger Williams U.	264	6	20	128	98	98	0	0	11	46	48	48	0
East Stroudsburg U. Pennsylvania	265	ne	ne	86	97	0	97	ne	ne	66	15	0	15
Kean U.	265	0	0	104	97	62	35	0	0	24	48	48	0
U. Missouri, Saint Louis	267	229	108	48	96	0	96	217	108	48	96	0	96
U. New England	268	82	58	98	94	0	94	28	20	18	3	0	3
U. Puerto Rico, Mayaguez	269	814	864	180	93	83	10	508	864	166	93	83	10
C. Charleston	270	100	147	388	83	2	81	58	51	387	83	2	81
Sacred Heart U.	271	ne	0	ne	82	0	82	ne	0	ne	0	0	0
Elizabeth City State U.	272	0	0	174	80	0	80	0	0	174	80	0	80
California State U., Fullerton	273	338	200	95	70	55	15	299	174	81	55	55	0
Northern Michigan U.	274	97	90	73	68	0	68	97	90	73	66	0	66
C. New Jersey	275	0	24	187	67	0	67	0	0	0	0	0	0
New C. Florida	276	ne	ne	ne	64	0	64	ne	ne	ne	47	0	47
U. Puerto Rico, Humacao	277	26	25	0	62	0	62	26	25	0	62	0	62
U. Texas, El Paso	277	921	116	65	62	0	62	392	61	9	0	0	0
Pepperdine U.	279	0	0	0	61	0	61	0	0	0	25	0	25
Wheaton C., Wheaton	279	0	0	ne	61	0	61	0	0	ne	61	0	61
U. Toledo	281	26	35	5	60	0	60	19	0	0	0	0	0
Central Washington U.	282	21	13	36	56	0	56	19	6	0	8	0	8
DePaul U.	283	1	0	46	55	0	55	0	0	0	31	0	31
Nova Southeastern U.	284	0	0	0	53	53	0	0	0	0	0	0	0
U. South Florida ^d	284	0	303	146	53	0	53	0	272	142	53	0	53
Northeastern Illinois U.	286	0	27	20	51	51	0	0	27	20	51	51	0

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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		
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023		
U. Central Arkansas	286	0	0	85	51	0	51	0	0	64	51	0	51		
Carleton C.	288	78	0	84	48 i	0 i	48 i	0	0	0	0 i	0 i	0 i		
Whitman C.	288	0	ne	41	48	0	48	0	ne	14	8	0	8		
CUNY, C. Staten Island	290	0	0	2	47	0	47	0	0	0	0	0	0		
Marian U., Indianapolis	290	ne	ne	ne	47	0	47	ne	ne	ne	47	0	47		
U. North Carolina, Chapel Hill	292	17	0	55	43	0	43	0	0	0	0	0	0		
Kenyon C.	293	0	ne	35	42	0	42	0	ne	35	42	0	42		
U. of the District of Columbia	293	2,157	2,726	2,618	42	27	15	235	1,568	1,786	27	27	0		
Bates C.	295	9	0	0	41	0	41	0	0	0	13	0	13		
U. New Haven	295	0	58	135	41	0	41	0	9	4	0	0	0		
U. Virginia's C. Wise	295	ne	0	4	41	41	0	ne	0	2	39	39	0		
U. Wisconsin-Oshkosh	295	0 i	0	0	41	0	41	0 i	0	0	41	0	41		
Murray State U.	299	76	146	98	40	40	0	43	42	20	11	11	0		
Seattle U.	299	0	4	8	40	40	0	0	4	8	40	40	0		
Salisbury U.	301	0	97	91	38	0	38	0	0	30	38	0	38		
Northland C.	302	ne	26 i	31 i	35 i	0 i	35 i	ne	13 i	15 i	17 i	0 i	17 i		
James Madison U.	303	105	77	68	34	0	34	85	60	44	25	0	25		
CUNY, Hunter C.	304	0	0	58	31	31	0	0	0	0	0	0	0		
United Tribes Technical C.	304	ne	ne	ne	31	0	31	ne	ne	ne	31	0	31		
U. Louisiana, Monroe	306	29	28	34	30	30	0	0	0	0	0	0	0		
U. North Carolina, Asheville	306	292	317	0	30	0	30	57	0	0	0	0	0		
C. Wooster	308	15	24 i	29	29	29	0	5	10 i	14	2	2	0		
U. Arkansas, Little Rock	308	10	19	17	29	6	23	9	2	17	0	0	0		
Wake Forest U.	308	126	19	0	29	0	29	0	0	0	14	0	14		
Wellesley C.	311	1	0	0	26	0	26	0	0	0	26	0	26		
Seton Hall U.	312	0	0	0	25	0	25	0	0	0	0	0	0		
Marquette U.	313	84	88	155	24	24	0	84	88	155	20	20	0		
U. Colorado Denver ^C	313	na	106	79	24	0	24	na	106	79	24	0	24		
U. San Diego	313	0	0	3	24	24	0	0	0	0	0	0	0		
Texas A&M International U.	316	104	23	53	23	0	23	0	0	0	0	0	0		
U. Alabama, Huntsville	316	2	9	24	23	23	0	0	9	24	23	23	0		
U. Washington, Tacoma	318	163	38	33	21	0	21	161	38	33	21	0	21		

TABLE 44

Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2023 agricultural sciences and natural resources conservation total: FYs 2020–23

(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		
		2020	2021	2022	2023	2023	2023	2020	2021	2022	2023	2023	2023		
Saint John's U.	319	0 i	15 i	17 i	20 i	1 i	19 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	
Vassar C.	319	0	21	21	20	0	20	0	0	0	0	0	0	0	
Bentley U.	321	ne	ne	0	19	0	19	ne	ne	0	19	0	19	0	
C. of Saint Benedict	322	0 i	13 i	15 i	17 i	0 i	17 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	
Northeast Ohio Medical U.	323	0	0	0	15	15	0	0	0	0	0	0	0	0	
Rice U.	324	0	0	0	13	13	0	0	0	0	12	12	0	0	
U. Alabama, Tuscaloosa	325	0	0	0	11	11	0	0	0	0	7	7	0	0	
Citadel Military C. South Carolina	326	0	0	0	8	5	3	0	0	0	8	5	3	0	
Pennsylvania State U., Harrisburg	326	2	21	43	8	8	0	2	21	0	0	0	0	0	
Alaska Pacific U.	328	38	29	20	7	7	0	38	29	20	7	7	0	0	
CUNY, Lehman C.	328	0	0	0	7	0	7	0	0	0	0	0	0	0	
Washington U., Saint Louis	328	0	0	2	7	0	7	0	0	0	0	0	0	0	
Midwestern U.	331	33	22	20	6	6	0	33	22	0	0	0	0	0	
Andrews U.	332	0	0	ne	5	1	4	0	0	ne	0	0	0	0	
Eastern Connecticut State U.	332	0	5	1	5	4	1	0	1	1	1	0	1	0	
Lincoln U.	332	ne	ne	ne	5	5	0	ne	ne	ne	5	5	0	0	
Emory U.	335	0	0	0	4	4	0	0	0	0	0	0	0	0	
Minnesota State U., Mankato	335	205	0	145	4	4	0	205	0	145	4	4	0	0	
U. Virginia, Charlottesville	335	769	614	562	4	4	0	0	0	0	0	0	0	0	
Babson C.	338	0 i	0 i	0 i	2 i	0 i	2 i	0	0	0	2	0	2	0	
Barnard C.	339	67	135	25	1	1	0	57	135	0	0	0	0	0	
Black Hills State U.	339	38	6	30	1	0	1	31	2	28	0	0	0	0	
Smith C.	339	0	11	1	1	0	1	0	9	0	0	0	0	0	
U. Tennessee, Chattanooga	339	0	0	0	1	0	1	0	0	0	0	0	0	0	
Western Michigan U. and Homer Stryker M.D. School of Medicine	339	4	4	45	1	0	1	3	0	7	1	0	1	0	
All other surveyed institutions	-	129,365	122,123	128,089	0	0	0	35,320	30,698	34,439	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 Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.

^b 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.

^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 2023 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.