

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021
All institutions	-	4,086,777	4,268,650	4,527,115	4,483,661	3,548,896	934,765	1,271,046	1,359,731	1,484,601	1,529,490	1,099,585	429,905
U. Florida	1	195,362	203,199	233,690	228,232	210,062	18,170	40,329	47,246	61,814	57,900	52,672	5,228
Texas A&M U., College Station and Health Science Center	2	190,226	197,366	200,508	195,660	180,671	14,989	44,092	50,436	52,021	52,146	42,991	9,155
Colorado State U., Fort Collins	3	68,172	123,760	163,384	187,752	50,785	136,967	39,558	85,722	114,462	129,050	17,728	111,322
U. Illinois, Urbana-Champaign	4	122,775	131,139	161,358	162,189	70,763	91,426	39,805	49,187	65,375	65,980	23,746	42,234
U. California, Davis	5	155,642	153,739	150,069	143,311	143,311	0	32,921	34,738	34,067	32,317	32,317	0
Michigan State U.	6	151,818	152,185	126,904	127,515	112,272	15,243	55,336	54,697	38,894	41,449	38,807	2,642
Cornell U.	7	129,201	138,182	139,521	123,927	106,374	17,553	32,841	36,625	37,466	35,393	32,441	2,952
Purdue U., West Lafayette	8	126,486	138,419	123,324	122,841	122,841	0	37,846	36,973	33,464	37,063	37,063	0
U. Minnesota, Twin Cities	9	109,175	116,791	129,207	122,668	71,646	51,022	25,879	26,814	34,793	35,744	24,629	11,115
U. Wisconsin-Madison	10	75,751	75,409	105,235	115,937	114,940	997	19,797	19,524	33,870	40,457	40,355	102
Mississippi State U.	11	105,102	109,892	106,989	114,811	98,866	15,945	28,006	30,989	32,121	36,694	30,757	5,937
Washington State U.	12	92,696	103,268	109,269	114,256	110,067	4,189	27,763	26,881	29,226	39,440	37,176	2,264
U. Georgia	13	87,780	100,059	122,712	114,117	113,627	490	30,145	30,966	32,666	30,083	30,083	0
North Carolina State U.	14	112,533	111,537	108,002	108,416	108,416	0	18,549	17,763	19,714	23,589	23,589	0
U. Nebraska, Lincoln	15	108,148	112,979	114,382	107,639	94,550	13,089	27,443	29,816	30,018	27,978	24,698	3,280

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		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
Virginia Polytechnic Institute and State U.	16	96,684	100,295	110,301	106,619	80,513	26,106	27,335	29,316	28,411	31,754	21,982	9,772		
U. Missouri, Columbia	17	83,389	86,027	84,797	99,983	86,679	13,304	23,448	22,881	24,267	29,409	23,336	6,073		
Oregon State U.	18	93,555	93,606	96,878	98,213	76,656	21,557	35,539	37,641	36,754	38,784	26,857	11,927		
Louisiana State U., Baton Rouge	19	75,245	76,202	97,776	97,527	88,218	9,309	9,274	9,992	18,499	21,161	18,185	2,976		
North Dakota State U.	20	81,580	82,904	87,874	92,492	82,590	9,902	10,765	9,164	10,228	13,243	11,713	1,530		
Kansas State U.	21	83,800	85,363	95,332	92,231	92,231	0	24,565	23,652	28,326	29,741	29,741	0		
Pennsylvania State U., University Park and Hershey Medical Center	22	101,090	96,302	101,950	88,295	79,424	8,871	37,751	37,565	39,389	26,615	26,181	434		
Ohio State U.	23	61,032	62,584	78,240	78,004	68,969	9,035	20,534	22,364	34,209	35,592	31,002	4,590		
U. California, Berkeley	24	72,256	73,608	72,606	76,411	5,134	71,277	24,148	24,607	26,274	27,098	199	26,899		
Auburn U., Auburn	25	58,627	55,586	73,703	71,120	70,134	986	12,367	12,167	14,290	19,288	18,928	360		
U. Arkansas, Fayetteville	26	68,912	72,044	67,999	69,390	67,267	2,123	12,676	13,421	13,186	11,376	11,119	257		
Rutgers, State U. New Jersey, New Brunswick	27	47,795	55,587	77,439	64,908	64,885	23	28,189	27,297	24,468	31,252	31,252	0		
U. Kentucky	28	68,360	62,898	69,756	63,522	63,522	0	15,775	13,561	13,703	13,036	13,036	0		
U. Arizona	29	57,804	64,228	63,861	63,062	50,582	12,480	16,560	20,132	20,111	19,584	13,626	5,958		
U. Maryland ^a	30	na	65,185	54,930	54,140	51,847	2,293	na	31,021	24,881	24,472	23,474	998		
Iowa State U.	31	66,427	67,222	51,947	51,837	51,837	0	22,454	20,865	24,024	21,142	21,142	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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Tennessee, Knoxville ^b	32	133	137	51,999	49,803	41,632	8,171	0	0	15,842	14,186	10,090	4,096		
U. Idaho	33	51,255	51,993	50,957	48,205	34,593	13,612	16,203	17,193	16,228	15,947	10,658	5,289		
Utah State U.	34	53,684	54,897	48,834	46,361	31,043	15,318	22,532	23,462	21,159	20,644	12,527	8,117		
Oklahoma State U., Stillwater	35	35,797	47,191	46,936	45,875	36,223	9,652	3,467	8,452	9,060	10,370	7,231	3,139		
Montana State U., Bozeman	36	38,318	40,480	40,881	44,174	43,975	199	8,331	11,189	12,020	14,586	14,504	82		
Texas Tech U.	37	32,593	31,174	31,317	36,386	30,966	5,420	3,171	2,939	2,685	3,403	2,558	845		
South Dakota State U.	38	36,049	39,655	41,442	32,467	30,114	2,353	10,460	13,850	11,921	7,918	6,665	1,253		
New Mexico State U.	39	28,609	31,401	31,700	32,291	32,281	10	6,412	8,008	7,867	7,532	7,523	9		
U. Delaware	40	27,344	29,062	32,048	30,290	30,290	0	6,739	8,129	8,759	9,280	9,280	0		
U. Maine	41	27,061	27,537	28,023	28,286	17,566	10,720	12,443	13,365	14,264	14,578	8,506	6,072		
U. Vermont	42	19,587	16,668	23,292	27,833	21,096	6,737	10,857	7,045	10,687	14,122	12,330	1,792		
U. Washington, Seattle	43	28,894	25,620	25,393	26,338	277	26,061	17,313	13,468	13,552	14,570	0	14,570		
U. Massachusetts, Amherst	44	19,423	18,524	23,951	24,423	17,175	7,248	10,141	9,335	13,918	14,403	10,740	3,663		
U. New Hampshire	45	22,317	22,422	25,849	23,015	16,303	6,712	14,809	9,797	13,460	12,790	8,252	4,538		
U. California, Riverside	46	19,160	22,199	21,969	22,645	22,645	0	4,930	5,489	6,876	8,249	8,249	0		
West Virginia U.	47	23,351	23,859	23,438	22,267	13,321	8,946	8,788	8,696	9,298	9,364	5,139	4,225		
Clemson U.	48	23,563	24,183	23,702	21,945	21,938	7	6,461	6,713	6,920	6,629	6,629	0		
U. Texas M. D. Anderson Cancer Center	49	0	0	22,868	21,748	21,748	0	0	0	8,112	7,306	7,306	0		

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U. Montana, Missoula	50	16,488	17,211	18,646	20,918	522	20,396	8,872	8,856	8,806	10,599	183	10,416		
U. Michigan, Ann Arbor	51	22,338	23,814	24,512	20,106	2,142	17,964	8,495	9,692	10,218	6,254	0	6,254		
U. Minnesota, Duluth	52	18,181	18,103	18,489	17,840	0	17,840	3,409	3,593	3,431	3,178	0	3,178		
North Carolina Agricultural and Technical State U.	53	16,218	15,671	15,051	17,606	14,708	2,898	6,899	6,070	5,490	7,280	4,736	2,544		
SUNY, C. of Environmental Science and Forestry	54	13,834	16,314	16,412	16,516	2,816	13,700	3,370	4,073	3,767	3,119	568	2,551		
U. Wyoming	55	14,331	23,815	23,104	16,213	8,607	7,606	8,453	15,768	16,085	11,557	5,122	6,435		
U. Hawaii, Manoa	56	16,823	16,788	15,802	15,585	14,116	1,469	8,052	7,688	8,710	7,780	6,687	1,093		
Texas A&M U.-Kingsville	57	13,610	15,316	15,336	14,955	14,886	69	3,324	4,350	4,788	3,595	3,595	0		
Tennessee State U.	58	10,896	9,543	14,375	14,738	14,654	84	4,488	4,697	8,783	9,286	9,263	23		
U. Connecticut	59	12,197	12,984	11,816	14,299	10,683	3,616	4,187	4,634	5,443	5,293	3,267	2,026		
U. Nevada, Reno	60	12,534	12,216	14,600	13,288	6,648	6,640	5,220	4,520	6,336	6,121	3,561	2,560		
Southern Illinois U., Carbondale	61	11,463	10,934	11,793	13,088	13,088	0	2,604	2,946	3,684	3,720	3,720	0		
U. Alaska, Fairbanks	62	17,027	16,511	16,163	13,087	9,228	3,859	4,575	3,161	3,534	4,183	1,691	2,492		
Yale U.	63	12,498	11,773	11,175	11,340	0	11,340	6,526	5,609	5,185	4,948	0	4,948		
Duke U.	64	7,897	9,051	10,726	10,570	0	10,570	5,548	5,576	5,691	5,392	0	5,392		
Florida A&M U.	65	9,811	11,244	10,409	9,905	9,700	205	7,776	8,761	8,321	7,891	7,686	205		

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		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Illinois, Chicago	66	5,009	7,486	10,840	9,173	0	9,173	744	883	1,364	1,074	0	1,074		
U. Guam	67	5,838	6,611	7,112	8,631	3,237	5,394	3,771	4,168	4,386	5,833	2,251	3,582		
Northern Arizona U.	68	6,524	6,576	8,781	8,626	2,169	6,457	2,195	3,163	4,431	4,387	577	3,810		
Princeton U.	69	5,555	8,634	10,766	8,592	0	8,592	822	2,189	3,286	2,012	0	2,012		
Kentucky State U.	70	8,599	8,139	7,806	8,546	8,546	0	5,092	4,398	4,299	3,506	3,506	0		
Harvard U.	71	4,370	3,435	3,028	8,049	26	8,023	2,350	2,135	1,884	5,613	0	5,613		
Central State U.	72	2,808	2,871	5,313	7,851	7,645	206	1,492	1,622	2,306	3,269	3,195	74		
Prairie View A&M U.	73	7,543	7,912	7,853	7,806	7,730	76	4,765	5,178	4,747	4,989	4,915	74		
U. California, Santa Barbara	74	9,162	7,124	6,761	7,716	0	7,716	2,041	994	639	777	0	777		
U. Maryland Center for Environmental Science	75	7,286	7,704	7,161	7,518	971	6,547	5,158	6,187	4,534	4,842	511	4,331		
Virginia State U.	76	6,767	6,814	5,920	6,918	6,918	0	3,807	4,029	3,572	3,122	3,122	0		
Lincoln U., Jefferson City	77	3,120	2,947	5,170	6,834	6,283	551	1,638	1,498	3,117	4,933	4,792	141		
U. Arkansas, Pine Bluff	78	6,848	7,621	7,218	6,740	6,740	0	3,104	3,746	3,820	2,978	2,978	0		
Tarleton State U.	79	6,209	6,470	5,716	6,607	6,338	269	4,016	4,293	3,519	3,983	3,831	152		
Alcorn State U.	80	8,690	8,578	7,810	6,532	6,532	0	4,728	4,752	3,983	3,626	3,626	0		
West Virginia State U.	81	3,483	3,551	4,327	6,412	5,801	611	2,650	2,576	2,792	4,093	3,482	611		
West Texas A&M U.	82	2,716	2,877	3,549	6,229	6,065	164	382	313	409	236	72	164		
Tuskegee U.	83	7,041	5,756	5,871	5,873	5,873	0	4,451	4,984	5,084	5,083	5,083	0		

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		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
Southern U. and A&M C., Agricultural Research and Extension Center	84	5,296	4,541	3,515	5,104	4,822	282	3,057	3,057	2,085	3,448	3,448	0		
Fort Valley State U.	85	3,344	4,136	4,452	4,456	4,456	0	3,174	4,066	4,371	4,192	4,192	0		
Columbia U. in the City of New York	86	4,104	3,793	4,151	4,370	0	4,370	1,615	1,413	1,434	1,448	0	1,448		
Langston U.	87	8,851	8,768	10,615	4,333	4,333	0	5,953	5,274	5,245	1,929	1,929	0		
U. Rhode Island	88	1,909	2,546	3,400	4,211	4,209	2	959	1,254	1,970	2,105	2,105	0		
Humboldt State U.	89	4,917	5,983	5,673	4,142	85	4,057	1,187	1,313	1,028	866	64	802		
Georgia Institute of Technology	90	4,177	3,831	3,820	4,051	4,051	0	225	166	0	0	0	0		
Drexel U.	91	7,868	2,650	3,361	3,579	0	3,579	197	105	365	492	0	492		
U. Maryland, Eastern Shore	92	194	615	2,044	3,555	3,516	39	186	611	2,039	3,284	3,263	21		
U. Colorado Boulder	93	214	839	2,585	3,523	2,077	1,446	65	418	1,183	1,557	977	580		
U. Wisconsin-Stevens Point	94	3,284	3,681	4,080	3,509	857	2,652	1,463	1,750	2,037	1,571	536	1,035		
U. of the Virgin Islands	95	4,043	3,751	4,392	3,490	3,251	239	3,139	2,692	3,265	2,706	2,609	97		
Florida State U.	96	3,825	2,428	2,973	3,485	175	3,310	415	592	1,077	1,064	119	945		
Portland State U.	97	3,921	3,626	3,657	3,409	16	3,393	2,389	1,921	2,260	2,002	15	1,987		

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California Polytechnic State U., San Luis Obispo	98	2,649	4,861	4,021	3,273	2,514	759	738	807	544	700	519	181
U. Texas, Austin	99	7,686	1,550	2,584	3,261	69	3,192	1,911	488	1,016	1,252	22	1,230
U. California, Santa Cruz	100	3,052	2,724	3,247	3,252	3,252	0	6	85	159	144	144	0
Brigham Young U., Provo	101	2,766	2,583	2,559	3,186	3,186	0	1,542	1,274	1,090	1,746	1,746	0
Delaware State U.	102	6,186	6,824	3,090	3,147	2,426	721	3,750	3,414	2,032	2,336	1,615	721
California State U., Fresno	103	2,867	3,686	3,277	2,994	2,994	0	405	405	451	255	255	0
U. of the District of Columbia	104	1,626	2,538	2,157	2,726	2,726	0	738	1,083	235	1,568	1,568	0
U. New Mexico	105	3,635	4,418	3,768	2,636	14	2,622	2,341	2,810	2,230	1,168	10	1,158
U. Wisconsin-Superior	106	2,908	2,122	2,025	2,338	0	2,338	1,808	1,401	1,342	1,800	0	1,800
Cold Spring Harbor Laboratory	107	568	1,622	1,657	2,272	2,272	0	423	1,535	1,581	2,207	2,207	0
U. California, Office of the President	108	2,418	2,552	2,503	2,171	1,957	214	129	117	94	138	138	0
U. North Texas, Denton	109	0	213	479	2,137	2,085	52	0	189	136	592	540	52
Western Illinois U.	110	146	216	1,062	2,012	2,012	0	72	120	983	1,878	1,878	0
California State Polytechnic U., Pomona	111	1,751	1,381	838	2,002	2,002	0	335	287	327	391	391	0

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U. North Carolina, Wilmington	112	2,464	2,019	1,818	1,934	584	1,350	1,072	794	846	928	19	909		
U. Hawaii, Hilo	113	1,671	1,574	1,245	1,886	1,575	311	1,150	835	711	1,186	933	253		
Stephen F. Austin State U.	114	1,533	1,804	1,695	1,882	1,882	0	564	589	619	680	680	0		
U. Kansas	115	7,908	6,528	9,641	1,779	0	1,779	2,817	3,368	4,658	1,042	0	1,042		
Florida International U.	116	2,940	2,604	2,156	1,771	5	1,766	1,631	1,881	1,495	1,126	2	1,124		
Sul Ross State U.	117	2,001	1,578	1,595	1,654	i 127 i	1,527 i	504	330	463	486 i	0 i	486 i		
Hobart and William Smith Colleges	118	ne	1,185	1,484	1,619	0	1,619	ne	618	691	593	0	593		
Boise State U.	119	529	1,202	1,184	1,608	603	1,005	251	807	783	1,042	418	624		
Tufts U.	120	3,280	1,048	5,539	1,450	1,450	0	1,960	197	2,693	1,073	1,073	0		
George Mason U.	121	628	402	800	1,437	168	1,269	239	290	269	691	129	562		
U. Texas Rio Grande Valley	122	791	1,121	1,324	1,434	1,404	30	576	894	1,145	1,360	1,330	30		
California State U., Monterey Bay	123	1,211	1,501	1,164	1,409	1,409	0	491	506	281	231	231	0		
Arkansas State U., Jonesboro	124	1,440	1,983	1,897	1,343	1,343	0	780	1,237	1,159	838	838	0		
California State U., Chico	125	899	759	1,224	1,233	1,233	0	179	166	210	156	156	0		
Florida Gulf Coast U.	126	55	36	128	1,218	0	1,218	0	22	42	0	0	0		
Missouri State U.	127	1,036	1,199	1,103	1,198	572	626	998	885	874	894	465	429		

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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 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Massachusetts, Boston	128	262	808	1,020	1,113	6	1,107	2	6	107	119	5	114		
Middle Tennessee State U.	129	433	640	558	1,094	953	141	273	362	481	616	475	141		
Stanford U.	130	3,797	3,933	1,983	1,074	0	1,074	407	1,197	1,161	861	0	861		
Austin Peay State U.	131	183	176	947	1,063	0	1,063	150	25	361	361	0	361		
Tennessee Technological U.	132	868	1,041	1,042	1,019	228	791	291	390	412	533	73	460		
San Francisco State U.	133	221	581	942	1,017	0	1,017	3	146	202	204	0	204		
U. Pennsylvania	134	945	926	1,140	1,003	1,003	0	200	150	25	6	6	0		
U. Louisiana, Lafayette	135	34	1,647	262	944	240	704	0	213	122	211	109	102		
U. Miami	136	2,353	1,403	791	911	0	911	1,410	1,025	603	632	0	632		
U. Alaska, Anchorage	137	938	482	1,246	878	0	878	235	177	761	799	0	799		
Central Michigan U.	138	348	192	881	873	9	864	289	98	481	527	0	527		
U. Maryland, Baltimore County	139	0	738	896	867	803	64	0	412	473	370	370	0		
U. Puerto Rico, Mayaguez	140	792	1,301	814	864	864	0	265	838	508	864	864	0		
Oregon Health and Science U.	141	0	0	799	838	0	838	0	0	799	744	0	744		
William & Mary	142	1,338	778	453	827	827	0	334	366	294	403	403	0		
Louisiana Tech U.	143	781	917	841	824	824	0	320	361	350	362	362	0		

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Nebraska, central administration	144	1,747	2,074	2,242	823	823	0	1,615	1,935	1,674	823	823	0		
U. Houston-Clear Lake	145	0	0	0	808	0	808	0	0	0	440	0	440		
Syracuse U.	146	1,040	1,104	859	790	0	790	891	837	727	613	0	613		
Baylor U.	147	440	576	666	744	323	421	204	131	200	368	230	138		
Dartmouth C. and Dartmouth Hitchcock Medical Center	148	1,482	949	813	691	0	691	997	602	605	543	0	543		
Hawaii Pacific U.	149	712	700	654	654	654	0	712	700	654	654	654	0		
Alabama A&M U.	150	1,172	i 925	i 630	i 645	i 504	i 141	i 592	i 419	i 285	i 310	i 223	i 87		
Georgia State U.	151	382	592	596	638	638	0	15	54	142	200	200	0		
U. Nebraska, Kearney	152	451	692	546	632	211	421	296	420	303	363	125	238		
St. Edward's U.	153	372	980	795	620	150	470	184	950	775	600	150	450		
U. Virginia, Charlottesville	154	98	391	769	614	0	614	0	0	0	0	0	0		
Illinois Institute of Technology	155	1,791	1,207	863	604	604	0	1,631	1,147	682	366	366	0		
Western U. of Health Sciences	156	367	492	533	597	597	0	210	430	456	493	493	0		
U. California, San Diego	157	0	0	0	593	0	593	0	0	0	0	0	0		
U. Southern Maine	158	768	750	611	591	442	149	9	12	12	66	64	2		
Loyola U., Chicago	159	724	616	483	579	0	579	506	470	249	328	0	328		

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Wisconsin-River Falls	160	79	ne	125	551	551	0	0	ne	64	32	32	0		
Arizona State U.	161	21	764	457	550	0	550	11	6	57	164	0	164		
Texas State U.	162	386	349	376	544	544	0	331	296	291	414	414	0		
SUNY, C. Brockport	163	783	557	886	537	8	529	363	167	153	152	0	152		
U. Oregon	164	947	778	483	531	0	531	793	659	406	363	0	363		
Sam Houston State U.	165	105	289	330	526	526	0	78	283	258	343	343	0		
Western Kentucky U.	166	545	548	581	525	525	0	237	334	430	217	217	0		
Pennsylvania State U., Behrend	167	70	49	0	509	125	384	0	0	0	176	17	159		
U. Pittsburgh, Pittsburgh	168	0	0	373	501	501	0	0	0	248	377	377	0		
Bowling Green State U.	169	97	463	553	498	312	186	49	81	154	215	163	52		
Oregon Institute of Technology	170	59	90	67	477	0	477	59	90	67	15	0	15		
Georgia Southern U.	171	0	120	323	467	81	386	0	73	59	167	22	145		
Texas A&M U.-Commerce	172	255	688	723	463	463	0	25	15	18	165	165	0		
Massachusetts Institute of Technology	173	3,370	3,005	1,370	457	79	378	88	71	0	0	0	0		
U. Houston	174	20	153	295	453	209	244	20	153	284	343	99	244		
U. Nevada, Las Vegas	175	49	194	273	446	212	234	42	149	185	309	199	110		

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Texas, Arlington	175	464	517	441	446	0	446	8	4	1	0	0	0		
Texas A&M U.-Corpus Christi	177	82	177	464	441	282	159	15	137	309	229	114	115		
Morgan State U.	178	435	139	224	416	416	0	214	68	25	75	75	0		
Southern Illinois U., Edwardsville	178	5,702	8,809	3,324	416	345	71	0	0	0	49	49	0		
Chapman U.	180	241	147	102	414	409	5	186	0	102	390	390	0		
Sonoma State U.	181	ne	ne	214	399	0	399	ne	ne	0	117	0	117		
Appalachian State U.	182	429	258	630	387	60	327	219	99	56	49	45	4		
California State U., Sacramento	183	353	286	321	371	0	371	264	268	309	253	0	253		
Montclair State U.	183	470	582	649	371	48	323	323	110	75	38	0	38		
Colorado School of Mines	185	29	288	392	366	310	56	29	288	146	310	310	0		
U. Utah	186	24,152	0	0	363	0	363	15,398	0	0	17	0	17		
U. North Carolina, Asheville	187	764	222	292	317	0	317	222	29	57	0	0	0		
CUNY, Advanced Science Research Center	188	0	805	869	312	0	312	0	703	785	284	0	284		
Clark U.	189	115	724	808	306	295	11	104	711	797	215	215	0		
U. South Florida ^c	190	0	0	0	303	0	303	0	0	0	272	0	272		

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Colorado Anschutz Medical Campus ^d	191	na	na	na	299	299	0	na	na	na	299	299	0		
Florida Institute of Technology	192	0	0	0	297	234	63	0	0	0	213	211	2		
Des Moines U.	193	0	0	261	282	282	0	0	0	261	282	282	0		
Old Dominion U.	194	0	8	267	271	0	271	0	8	0	0	0	0		
Eastern Michigan U.	195	198	85	274	269	0	269	69	46	58	137	0	137		
U. Massachusetts, Lowell	196	233	457	725	264	0	264	0	0	0	0	0	0		
Carnegie Mellon U.	197	878	774	476	256	256	0	780	685	427	256	256	0		
Eastern Washington U.	198	354	281	176	237	0	237	354	281	176	220	0	220		
U. Wisconsin-Platteville	199	ne	280	285	225	172	53	ne	77	76	58	45	13		
U. Notre Dame	200	1,405	993	424	222	222	0	0	0	0	0	0	0		
U. South Dakota	201	30	0	191	221	0	221	0	0	0	0	0	0		
U. Northern Iowa	202	199	152	201	219	219	0	67	78	94	48	48	0		
Southern U. and A&M C., Baton Rouge	203	184	210	208	212	112	100	184	210	208	117	17	100		
Saint Louis U.	204	1	0	0	207	0	207	1	0	0	0	0	0		
U. California, Merced	205	0	0	0	201	201	0	0	0	0	1	1	0		
California State U., Fullerton	206	299	416	338	200	136	64	277	340	299	174	136	38		

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021
U. Mississippi	207	12	0	96	191	191	0	9	0	96	177	177	0
Troy U.	208	ne	ne	112	186	103	83	ne	ne	112	179	99	80
U. Memphis	209	0	26	232	183	179	4	0	0	0	0	0	0
Illinois State U.	210	256	50	184	179	179	0	23	30	29	138	138	0
Pittsburg State U.	211	27	100	113	176	0	176	0	11	61	142	0	142
U. Dayton	212	454	237	199	171	0	171	391	212	165	171	0	171
East Carolina U.	213	66	0	79	164	164	0	28	0	9	0	0	0
Tulane U.	214	431	384	133	159	0	159	282	130	94	110	0	110
Santa Clara U.	215	222	409	300	155	0	155	59	198	37	50	0	50
U. Texas, Tyler	216	206	215	321	154	0	154	13	0	146	19	0	19
Stockton U.	217	0	0	46	152	0	152	0	0	46	152	0	152
C. Charleston	218	156	132	100	147	0	147	105	75	58	51	0	51
Kennesaw State U.	219	0	19	16	146	146	0	0	19	0	0	0	0
Murray State U.	219	23	88	76	146	146	0	0	52	43	42	42	0
Occidental C.	221	172	179	90	138	88	50	172	179	90	88	88	0
New School	222	0	23	54	137	0	137	0	0	0	0	0	0
Western Carolina U.	223	86	116	75	136	136	0	73	98	63	106	106	0
Barnard C.	224	0	21	67	135	135	0	0	10	57	135	135	0
Drake U.	225	54	114	ne	124	0	124	0	0	ne	70	0	70
California State U., San Bernardino	226	498	509	400	121	0	121	439	447	346	106	0	106
Northern Illinois U.	227	0	0	29	119	0	119	0	0	25	106	0	106
U. Texas, El Paso	228	2,016	1,457	921	116	0	116	1,129	658	392	61	0	61
Hofstra U.	229	3	34	191	113	0	113	3	0	0	27	0	27

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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								
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021								
Northwest Indian C.	230	242	104	103	i	108	i	108	i	0	i	242	104	103	i	108	i	108	i	0	i
U. Missouri, Saint Louis	230	221	411	229		108		0		108		16	202	217		108		0		108	
U. Colorado Denver ^d	232	na	na	na		106		0		106		na	na	na		106		0		106	
Southern Connecticut State U.	233	60	71	44		105		49		56		47	68	22		58		47		11	
Salisbury U.	234	9	1	0		97		0		97		0	0	0		0		0		0	
Ball State U.	235	49	79	155		96		0		96		0	0	28		1		0		1	
Colorado C.	235	73	190	35		96		0		96		32	103	0		96		0		96	
Northern Michigan U.	237	0	0	97		90		0		90		0	0	97		90		0		90	
Marquette U.	238	36	92	84		88		88		0		36	92	84		88		88		0	
U. Louisville	239	137	4	109		87		8		79		8	0	0		18		0		18	
St. Cloud State U.	240	0	10	4		85		85		0		0	0	0		85		85		0	
Johnson C. Smith U.	241	36	116	76		81	i	0	i	81	i	0	0	76		81	i	0	i	81	i
Dakota State U.	242	0	7	0		80		80		0		0	0	0		80		80		0	
Albany State U.	243	429	892	479		79		0		79		255	484	270		39		0		39	
James Madison U.	244	40	80	105		77		0		77		0	69	85		60		0		60	
Morehead State U.	245	17	10	88		74		23		51		10	0	12		61		13		48	
U. Nebraska, Omaha	246	30	19	115		71		52		19		9	4	0		0		0		0	
Coastal Carolina U.	247	0	0	0		70		0		70		0	0	0		0		0		0	
U. Denver	247	156	251	298		70		0		70		115	221	280		54		0		54	

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. Alaska, Southeast	249	271	224	187	65	0	65	271	173	139	35	0	35		
California State U., Dominguez Hills	250	0	0	0	61	61	0	0	0	0	61	61	0		
Kent State U.	250	0	93	35	61	15	46	0	0	3	48	15	33		
Mount Holyoke C.	252	0	0	0	58	0	58	0	0	0	58	0	58		
New Mexico Highlands U.	252	4	ne	55	58	0	58	0	ne	55	58	0	58		
U. New England	252	39	85	82	58	0	58	3	27	28	20	0	20		
U. New Haven	252	61	14	0	58	0	58	29	6	0	9	0	9		
SUNY, Binghamton U.	256	4	109	66	50	0	50	0	0	0	0	0	0		
Temple U.	257	393	194	30	47	47	0	175	194	0	0	0	0		
Texas Christian U.	258	0	57	47	43	43	0	0	0	47	25	25	0		
California State U., Channel Islands	259	133	157	194	41	0	41	107	64	151	2	0	2		
Loyola Marymount U.	260	0	0	28	40	0	40	0	0	28	0	0	0		
Monmouth U.	261	ne	93	3	39	0	39	ne	0	0	16	0	16		
U. Washington, Tacoma	262	23	563	163	38	0	38	23	385	161	38	0	38		
Dordt U.	263	ne	ne	ne	37	14	23	ne	ne	ne	6	6	0		
Fort Hays State U.	263	ne	0	1	37	37	0	ne	0	0	0	0	0		
U. Toledo	265	74	338	26	35	35	0	54	311	19	0	0	0		
U.S. Air Force Academy	266	0	0	0	33	0	33	0	0	0	33	0	33		
Towson U.	267	80	76	10	32	0	32	80	76	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 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
U. San Francisco	267	9	31	37	32	0	32	0	0	0	0	0	0	0	
CUNY, City C.	269	0	0	0	30	30	0	0	0	0	0	0	0	0	
U. New Orleans	269	0	0	0	30	0	30	0	0	0	30	0	30	0	
Alaska Pacific U.	271	34	71	38	29	29	0	19	71	38	29	29	0	0	
U. Louisiana, Monroe	272	22	34	29	28	28	0	0	0	0	0	0	0	0	
Northeastern Illinois U.	273	0	0	0	27	27	0	0	0	0	27	27	0	0	
Miami U.	274	86	48	42	26	26	0	86	0	0	0	0	0	0	
Northland C.	274	ne	ne	ne	26	0	26	ne	ne	ne	13	0	13	0	
U. Puerto Rico, Humacao	276	0	11	26	25	0	25	0	2	26	25	0	25	0	
C. New Jersey	277	0	ne	0	24	0	24	0	ne	0	0	0	0	0	
Pacific U.	277	163	569	48	24	0	24	0	13	0	0	0	0	0	
St. Olaf C.	277	24	85	78	24	1	23	0	68	40	0	0	0	0	
Texas A&M International U.	280	78	66	104	23	0	23	77	12	0	0	0	0	0	
Midwestern U.	281	0	6	33	22	22	0	0	6	33	22	22	0	0	
Pennsylvania State U., Harrisburg	282	93	89	2	21	21	0	57	5	2	21	21	0	0	
Vassar C.	282	0	0	0	21	0	21	0	0	0	0	0	0	0	
Roger Williams U.	284	28	33	6	20	20	0	0	0	0	11	11	0	0	
Fort Lewis C.	285	ne	0	23	19	0	19	ne	0	21	1	0	1	0	
Saginaw Valley State U.	285	42	20	20	19	19	0	0	0	0	0	0	0	0	
U. Arkansas, Little Rock	285	12	23	10	19	17	2	2	21	9	2	0	2	0	
Wake Forest U.	285	0	0	126	19	0	19	0	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 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
C. Wooster	289	25	26	15	15	15	0	25	26	5	5	5	0		
Saint John's U.	289	0	0	0	15	0	15	0	0	0	0	0	0		
U. Central Florida	291	3	1	1	14	13	1	0	0	0	0	0	0		
U. South Alabama	291	0	0	0	14	0	14	0	0	0	0	0	0		
C. of Saint Benedict	293	0	0	0	13	0	13	0	0	0	0	0	0		
Central Washington U.	293	0	0	21	13	0	13	0	0	19	6	0	6		
Vanderbilt U. and Vanderbilt U. Medical Center	293	228	4	10	13	0	13	140	4	10	13	0	13		
Smith C.	296	0	0	0	11	0	11	0	0	0	9	0	9		
U. Minnesota, Morris	296	ne	13	13	11	0	11	ne	0	0	0	0	0		
William Paterson U.	296	0	0	22	11	0	11	0	0	22	0	0	0		
San Diego State U.	299	554	683	921	10	0	10	232	278	212	8	0	8		
U. North Georgia	299	2	106	8	10	2	8	2	16	8	8	0	8		
U. Alabama, Huntsville	301	0	0	2	9	9	0	0	0	0	9	9	0		
California State U., Bakersfield	302	0	0	0	8	8	0	0	0	0	8	8	0		
CUNY, Baruch C.	302	57	39	0	8	0	8	19	20	0	0	0	0		
Black Hills State U.	304	0	0	38	6	0	6	0	0	31	2	0	2		

TABLE 44
Total and federally financed higher education R&D expenditures in the agricultural sciences and natural resources and conservation, ranked by FY 2021 agricultural sciences and natural resources conservation total: FYs 2018–21

(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		
		2018	2019	2020	2021	2021	2021	2018	2019	2020	2021	2021	2021		
Eastern Connecticut State U.	305	0	1	0	5	1	4	0	0	0	1	1	0		
Gallaudet U.	306	10	7	2	4	3	1	10	5	0	4	3	1		
Seattle U.	306	0	0	0	4	4	0	0	0	0	4	4	0		
Western Michigan U. and Homer Stryker M.D. School of Medicine	306	81	27	4	4	0	4	40	1	0	0	0	0		
Eastern Kentucky U.	309	5	6	4	3	3	0	0	0	0	0	0	0		
U. Illinois, Springfield	309	19	4	4	3	0	3	0	0	0	0	0	0		
U. Puerto Rico, Cayey	311	10	45	40	2	0	2	10	45	40	2	0	2		
All other surveyed institutions	-	118,385	63,899	3,225	0	0	0	52,053	23,723	1,891	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 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.

^d 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.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2021 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.