

Statistics on Agricultural Research Expenditures*

Table C-1.—Combined SAES and USDA Research Expenditures on PHTME, Production, Other, and Total Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	Total research expenditure		PHTME research expenditure		Production research expenditure		Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$ 358,300	\$375,971	\$87,187	\$91,487	\$237,706	\$249,429	\$33,406	\$35,054
1967	373,100	373,100	91,991	91,991	243,012	243,012	38,096	38,096
1968	401,840	380,891	94,274	89,359	267,026	253,105	40,537	38,424
1969	423,160	378,159	99,183	88,883	276,815	247,377	47,159	42,144
1970	459,000	379,339	104,909	86,702	304,591	251,728	49,498	40,907
1971	497,310	384,023	116,753	90,157	323,257	249,619	57,298	44,246
1972	571,250	414,249	133,751	96,991	367,757	266,684	69,742	50,574
1973	614,950	417,765	143,791	97,684	394,389	267,927	76,769	52,153
1974	670,790	416,578	154,973	96,498	429,987	267,725	85,852	53,457
1975	755,120	429,289	165,978	94,359	493,299	280,443	95,842	54,487
1976	830,130	443,446	180,966	96,670	542,818	289,987	106,344	56,808
1977	949,310	475,371	198,470	99,384	619,699	310,315	131,147	65,672
1978	1,043,185	485,654	215,553	100,351	680,888	316,987	146,743	68,316
1979	1,139,419	491,341	228,510	98,538	754,490	325,351	156,420	67,451
1980	1,246,355	490,112	236,844	93,136	848,977	333,849	160,534	63,128
1981a	1,399,578	501,282	259,574	92,971	964,685	345,518	175,319	62,793

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. II*.

Table C-2.—USDA Expenditures on PHTME, Production, Other, and Total Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	USDA Total research expenditure		USDA PHTME research expenditure		USDA Production research expenditure		USDA Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$153,084	\$160,634	\$54,306	\$58,985	\$87,887	\$92,221	\$10,891	\$11,428
1967	165,424	165,424	57,783	57,783	94,945	94,945	12,696	12,696
1968	159,150	150,853	56,273	53,339	91,197	86,443	11,680	11,071
1969	163,865	146,439	57,634	51,505	93,691	83,727	12,540	11,207
1970	176,896	146,195	62,268	51,461	100,578	83,122	14,051	11,612
1971	197,084	152,188	70,642	54,550	109,052	84,210	17,390	13,428
1972	224,308	162,680	79,196	57,430	124,093	89,988	21,019	15,242
1973	236,291	160,524	82,339	55,936	131,078	89,047	22,874	15,540
1974	240,183	149,554	86,683	53,974	132,826	82,706	20,674	12,873
1975	265,604	150,997	93,786	53,318	144,936	82,397	25,804	14,669
1976	302,531	161,608	100,618	53,749	173,632	92,752	29,235	15,617
1977	343,859	172,188	107,653	53,907	202,235	101,269	33,971	17,011
1978	380,557	177,168	117,892	54,885	228,838	106,535	33,826	15,748
1979	391,738	168,925	117,261	50,565	241,694	104,223	32,784	14,137
1980	417,305	164,099	116,665	45,877	263,824	103,745	36,816	14,477
1981 ^a	483,246	173,082	132,244	47,365	308,173	110,377	42,829	15,340

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. II*.

● Many of the current and constant total dollar figures will not be the same as those found in the OTA report *An Assessment of the United States Food and Agricultural Research System*. This is because of revisions made by USDA to current dollar figures and the changes in the deflator made by the U.S. Department of Commerce.

Table C-3.—SAES Expenditures on PHTME, Production, Other, and Total Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES Total research expenditure		SAES PHTME research expenditure		SAES Production research expenditure		SAES Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$205,215	\$215,336	\$32,881	\$34,503	\$149,819	\$157,208	\$22,515	\$23,625
1967	207,675	207,675	34,208	34,208	148,067	148,067	25,400	25,400
1968	242,687	230,035	38,001	36,020	175,829	166,663	28,857	27,353
1969	259,292	231,718	41,549	37,130	183,124	163,650	34,619	30,937
1970	282,101	233,141	42,641	35,240	204,013	168,606	35,447	29,295
1971	300,224	231,833	46,111	35,607	214,205	165,409	39,908	30,817
1972	346,942	251,590	54,555	39,561	243,664	176,696	48,723	35,332
1973	378,658	257,240	61,452	41,747	263,311	178,880	53,895	36,613
1974	430,609	268,125	68,290	42,522	297,141	185,019	65,178	40,584
1975	490,054	278,598	72,192	41,042	347,824	197,740	70,038	39,817
1976	527,120	281,581	80,348	42,921	369,663	197,470	77,109	41,191
1977	605,455	303,182	90,817	45,477	417,464	209,046	97,176	48,661
1978	662,628	308,486	97,661	45,466	452,050	210,452	112,917	52,568
1979	747,681	322,415	111,249	47,973	512,796	221,128	123,636	53,314
1980	829,050	326,013	120,179	47,259	570,486	224,336	138,385	54,418
1981a	916,332	328,199	127,330	45,605	585,153	230,103	123,718	48,650

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81 Vol II*.

Table C-4.—SAES Expenditures on PHTME and on Total Agricultural Research as a Percent of Combined USDA/SAES Expenditures on PHTME and Total Agricultural Research, 1966-81* (percentage)

Year	Total SAES research	PHTME SAES research
1966	0.573	0.377
1967	0.557	0.372
1968	0.604	0.403
1969	0.613	0.419
1970	0.615	0.406
1971	0.604	0.395
1972	0.607	0.408
1973	0.616	0.427
1974	0.642	0.441
1975	0.649	0.435
1976	0.635	0.444
1977	0.638	0.458
1978	0.635	0.453
1979	0.656	0.487
1980	0.666	0.507
1981 ^b	0.655	0.491

*SAES is SAES and other cooperating institutions.

^bPreliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81 Vol II*.

Table C-5.—Private Industry Funds for Applied Research and Development of Agricultural Chemicals, Farm Machinery, and Food and Kindred Products in Current and Constant Dollars, 1963-75 (millions of dollars)

Year	Food and kindred		Farm machinery		Agricultural chemicals		Total private agricultural research	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1963	102	118	76	88	45	52	223	258
1964	118	133	79	89	48	54	245	277
1965	131	144	96	105	64	70	291	320
1966	130	136	100	105	77	81	307	322
1967	134	134	102	102	92	92	328	328
1968	165	156	96	91	99	94	360	341
1969	179	160	99	88	104	93	382	341
1970	204	169	89	74	126	104	419	346
1971	207	160	90	69	130	100	427	330
1972	222	161	92	67	108	78	422	306
1973	234	159	117	79	114	77	465	316
1974	269	167	127	79	137	85	533	332
1975	292	166	145	82	165	94	602	342

SOURCE: National Science Foundation, "Table E-51 Research and Development in Industry 1975," *Surveys of Science Resources Series*, NSF77-324, p. 72.

Table C-6.—Agricultural Research Service (ARS) Expenditures on Total PHTME, Production, and Other Agricultural Research uncurrent and Constant Dollars, 1966-81 (thousands of dollars)

Year	ARS Total research expenditure		ARS PHTME research expenditure		ARS Production research expenditure		ARS Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$136,761	\$143,506	\$46,211	\$48,491	\$85,214	\$ 89,416	\$ 5,336	\$5,599
1967	145,716	145,716	49,356	49,356	90,055	90,055	6,305	6,305
1968	142,405	134,981	46,331	43,916	88,642	84,021	7,432	7,045
1969	146,801	131,189	47,570	42,511	91,181	81,484	8,050	7,194
1970	161,113	133,151	53,560	44,264	98,828	81,676	8,725	7,211
1971	176,076	135,966	59,240	45,745	106,396	82,159	10,440	8,062
1972	192,617	139,679	63,315	45,914	117,850	85,460	11,452	8,305
1973	200,322	136,088	66,310	45,048	122,354	83,121	11,658	7,920
1974	206,995	128,889	69,010	42,970	124,831	77,728	13,154	8,190
1975	224,096	127,400	72,335	41,123	137,235	78,019	14,526	8,258
1976	252,514	134,890	76,734	40,990	159,503	85,205	16,278	8,696
1977	292,956	146,698	84,070	42,098	190,045	95,165	18,841	9,435
1978	323,147	150,440	90,685	42,218	212,373	98,870	20,089	9,352
1979	338,032	145,766	91,615	39,506	227,363	98,044	19,054	8,216
1980	360,347	141,702	95,225	37,446	243,291	95,671	21,831	8,585
1981=	419,356	150,199	107,825	38,619	285,774	102,355	25,757	9,225

^aPreliminary.

SOURCE: Compiled from the U.S Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. II*.

Table C-7.—Economic Research Service (ERS) Expenditures on Total, PHTME, Production, and Other Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	ERS Total research expenditure		ERS PHTME research expenditure		ERS Production research expenditure		ERS Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$16,323	\$17,128	\$ 8,095	\$8,494	\$ 2,673	\$2,805	\$5,555	\$5,829
1967	17,711	17,711	8,427	8,427	2,893	2,894	6,391	6,391
1968	14,775	14,005	9,832	9,319	865	820	4,078	3,865
1969	15,064	13,462	9,950	8,592	737	659	4,378	3,912
1970	14,089	11,644	8,567	7,080	336	278	5,187	4,287
1971	18,361	14,178	11,227	8,669	324	250	6,810	5,259
1972 .., ...	19,191	13,916	12,213	8,856	361	262	6,617	4,798
1973	20,569	13,974	12,354	8,393	973	661	7,242	4,920
1974, .	21,605	13,453	13,366	8,323	3,087	1,922	5,152	3,208
1975	24,497	13,927	15,757	8,958	1,535	873	7,205	4,096
1976	28,520	15,235	17,097	9,133	2,223	1,188	9,201	4,915
1977	29,000	14,522	17,051	8,538	1,920	962	10,029	5,021
1978	33,702	15,690	20,296	9,449	4,661	2,170	8,745	4,071
1979	37,141	16,016	22,392	9,656	2,755	1,188	11,993	5,172
1980	42,626	16,762	18,229	7,168	10,673	4,197	13,723	5,396
1981a.	46,546	16,671	21,354	7,648	9,486	3,398	15,706	5,625

*Preliminary

SOURCE Compiled from the US Department of Agriculture, Science and Education Administration, *Inventort of Agricultural Research FY 1966-81 Vol II*

**Table C-8.—Marketing Research Expenditures by
Agricultural Marketing Service, 1947-81
(thousands occurent dollars)**

Year	Thousands of dollars
1947-53	Unable to determine conclusively
1954	3,884
1955	5,105
1956	5,652
1957	6,446
1958	7,197
1959	7,460
1960	7,211
1961	4,214
1962	4,306
1963	4,787
1964	2,915 (part year)
1965-78.	O
1979	1,237
1980	1,277
1981	1,418

SOURCE: Agricultural Marketing Service, 1982

Table C-9.—SAES Expenditures from Hatch Act Funds on Total, PHTME, Production, and Other Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	Hatch Total research expenditure		Hatch PHTME research expenditure		Hatch Production research expenditure		Hatch Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$48,017	\$50,385	\$10,877	\$11,413	\$31,287	\$32,830	\$5,853	\$6,142
1967	48,694	48,694	11,286	11,286	30,882	30,882	6,526	6,526
1968	52,449	49,715	11,505	10,905	34,418	32,624	6,526	6,186
1969	53,912	48,179	11,877	10,614	34,459	30,794	7,576	6,770
1970	56,439	46,644	12,420	10,264	36,042	29,787	7,977	6,593
1971	62,743	48,450	14,124	10,907	38,117	29,434	10,502	8,110
1972	70,587	51,187	16,465	11,940	41,440	30,051	12,682	9,197
1973	77,220	52,459	18,940	12,867	44,126	29,977	14,154	9,615
1974	82,127	51,138	20,284	12,630	45,975	28,627	15,868	9,880
1975	90,302	51,337	20,802	11,826	52,173	29,661	17,327	9,850
1976	102,505	54,757	24,810	13,253	57,020	30,459	20,675	11,044
1977	116,761	58,468	28,216	14,129	66,347	33,223	22,198	11,116
1978	132,179	61,536	28,793	13,405	79,226	36,884	24,160	11,248
1979	154,033	66,422	31,307	13,500	94,699	40,836	28,027	12,086
1980	160,416	63,081	31,273	12,298	101,189	39,791	27,954	10,993
1981a	171,803	61,534	30,617	10,966	111,183	39,822	30,003	10,746

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81 Vol II.***Table C-10.—SAES Expenditures From Cooperative Grants and Cooperative Agreements (CGCA) Funds for Total, PHTME, Production, and Other Research in Current and Constant Dollars, 1966-81 (thousands of dollars)**

Year	CGCA Total research expenditure		CGCA PHTME research expenditure		CGCA Production research expenditure		CGCA Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$6,008	\$6,304	\$1,559	\$1,636	\$3,926	\$4,120	\$ 523	\$ 549
1967	6,260	6,260	1,707	1,707	4,004	4,004	549	549
1968	9,594	9,094	1,835	1,739	6,850	6,493	909	862
1969	7,784	6,956	1,611	1,440	5,310	4,745	863	771
1970	6,837	5,650	1,467	1,212	4,727	3,907	643	531
1971	6,320	4,880	1,170	903	4,495	3,471	655	506
1972	6,850	4,967	1,548	1,123	4,548	3,298	754	547
1973	7,476	5,079	1,527	1,037	4,721	3,207	1,228	834
1974	8,631	5,374	1,639	1,021	5,364	3,340	1,628	1,014
1975	10,773	6,125	1,814	1,031	6,827	3,881	2,132	1,212
1976	9,882	5,279	1,423	760	6,998	3,738	1,461	780
1977	11,758	5,888	1,912	957	7,138	3,574	2,708	1,356
1978	14,783	6,882	2,541	1,183	8,705	4,053	3,537	1,647
1979	19,141	8,254	3,156	1,361	11,282	4,865	4,703	2,028
1980	24,362	9,580	3,833	1,507	14,984	5,892	5,545	2,180
1981*	29,821	10,681	5,479	1,962	18,872	6,759	5,470	1,959

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. II.*

Table C-11.—SAES Expenditures From Other Federal Sources for PHTME, Production, Other, and Total Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	OTH Federal Total research expenditure		OTH Federal PHTME research expenditure		OTH Federal Production research expenditure		OTH Federal Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$24,522	\$25,731	\$5,050	\$5,299	\$16,584	\$17,402	\$2,888	\$3,030
1967	23,566	23,566	5,158	5,158	15,517	15,517	2,891	2,891
1968	28,602	27,111	6,561	6,219	18,900	17,915	3,141	2,977
1969	27,834	24,874	6,785	6,063	16,545	14,786	4,504	4,025
1970	26,440	21,851	5,782	4,779	17,613	14,556	3,045	2,517
1971	25,957	20,044	6,581	5,082	16,514	12,752	2,862	2,210
1972	27,299	19,796	6,243	4,527	17,462	12,663	3,594	2,606
1973	28,748	19,530	6,739	4,578	18,680	12,690	3,329	2,262
1974	31,205	19,430	6,117	3,809	20,010	12,460	5,078	3,162
1975	34,236	19,463	6,573	3,737	23,153	13,163	4,510	2,564
1976	37,772	20,177	7,744	4,137	24,952	13,329	5,076	2,712
1977	51,760	25,919	10,741	5,379	34,234	17,143	6,785	3,398
1978	53,590	24,949	9,967	4,640	33,782	15,727	9,841	4,581
1979	60,967	26,290	13,398	5,777	37,539	16,188	10,030	4,325
1980	67,622	26,591	13,187	5,186	44,299	17,420	10,136	3,986
1981a	77,911	27,905	12,793	4,582	53,892	19,280	11,258	4,032

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol II*

Table C-12.—SAES Expenditures From State Appropriations on Total, PHTME, Production, and Other Agricultural Research in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	State Total research expenditure		State PHTME research expenditure		State Production research expenditure		State Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$117,942	\$123,759	\$14,022	\$14,714	\$91,751	\$96,276	\$12,169	\$12,769
1967	120,610	120,610	14,573	14,573	91,667	91,667	14,370	14,370
1968	142,276	134,859	16,428	15,572	109,628	103,913	16,220	15,374
1969	157,526	140,774	19,018	16,996	118,610	105,996	19,898	17,782
1970	178,666	147,658	20,512	16,952	136,491	112,802	21,663	17,803
1971	190,892	147,407	22,057	17,032	145,126	112,066	23,709	18,308
1972	226,185	164,021	27,825	20,178	169,339	122,798	29,021	21,045
1973	247,691	168,268	31,127	21,146	184,132	125,090	32,432	22,033
1974	288,022	179,341	36,471	22,709	212,300	132,192	39,251	24,440
1975	331,270	188,329	39,031	22,189	250,655	142,499	41,584	23,641
1976	349,502	186,700	42,086	22,482	261,459	139,668	45,957	24,550
1977	393,359	196,975	45,344	22,706	288,371	144,402	59,644	29,867
1978	428,489	199,483	51,307	23,886	308,001	143,390	69,181	32,207
1979	477,787	206,031	57,913	24,973	345,447	148,964	74,427	32,094
1980	530,524	208,621	65,738	25,851	390,941	153,732	73,845	29,039
1981 ^a	585,822	209,822	70,722	25,330	437,225	156,599	77,875	27,892

*Preliminary.

SOURCE: Compiled from the US Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. II.*

Table C-13.—SAES Expenditures From Private Industry Funds on Total, PHTME, Production, and Other Agricultural Research in Current and Constant Dollars, 1966=81 (thousands of dollars)

Year	Private Total research expenditure		Private PHTME research expenditure		Private Production research expenditure		Private Other research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$8,726	\$9,156	\$1,373	\$1,441	\$6,271	\$6,580	\$1,082	\$1,135
1967	8,545	8,545	1,484	1,484	5,997	5,997	1,064	1,064
1968	9,766	9,257	1,672	1,585	6,033	5,718	2,061	1,954
1969	12,236	10,935	2,258	2,018	8,200	7,328	1,778	1,589
1970	13,719	11,338	2,460	2,033	9,140	7,554	2,119	1,751
1971	14,312	11,052	2,179	1,683	9,953	7,686	2,180	1,683
1972	16,021	11,618	2,474	1,794	10,875	7,886	2,672	1,938
1973	17,523	11,904	3,119	2,119	11,652	7,916	2,752	1,870
1974	20,624	12,842	3,779	2,353	13,492	8,401	3,353	2,088
1975	23,473	13,345	3,972	2,258	15,016	8,537	4,485	2,550
1976	27,459	14,668	4,285	2,289	19,234	10,275	3,940	2,105
1977	31,819	15,933	4,604	2,305	21,374	10,703	5,841	2,925
1978	33,587	15,636	5,053	2,352	22,336	10,399	6,198	2,885
1979	35,753	15,417	5,475	2,361	23,829	10,276	6,449	2,781
1980	46,126	18,138	6,148	2,418	33,740	13,268	6,238	2,453
1981a	50,975	18,258	7,719	2,765	35,372	12,669	7,884	2,824

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81 Vol II.***Table C-14.—Potatoe PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)**

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1986	\$ 488	\$512	\$2,758	\$2,894	\$ 880	\$ 923	\$1,838	\$1,929
1967	575	575	2,924	2,924	1,022	1,022	2,007	2,007
1968	653	619	2,630	2,493	1,068	1,012	1,839	1,743
1969	833	744	3,053	2,728	1,333	1,191	2,103	1,879
1970	936	773	3,466	2,864	1,149	950	2,177	1,799
1971	1,027	793	3,808	2,941	1,342	1,036	2,332	1,801
1972	980	711	3,941	2,858	1,482	1,075	2,617	1,898
1973	1,069	726	4,334	2,944	1,693	1,150	2,777	1,887
1974	1,092	680	4,862	3,027	1,928	1,200	2,999	1,867
1975	1,359	773	5,398	3,069	1,943	1,105	3,222	1,832
1976	1,554	830	6,319	3,376	1,967	1,050	3,497	1,868
1977	1,610	806	7,197	3,603	2,288	1,146	4,222	2,114
1978	1,477	688	8,002	3,725	2,286	1,064	4,201	1,956
1979	1,362	587	8,765	3,780	2,146	925	4,242	1,829
1980	1,464	576	9,189	3,613	1,896	746	4,205	1,654
1981 ^a	1,367	489	10,131	3,629	1,978	709	4,668	1,672

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. II.*

Table C-15.—Other Vegetables PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$1,839	\$1,930	\$13,660	\$14,334	2,001	\$2,099	\$5,911	\$6,203
1967	1,863	1,863	14,401	14,401	2,143	2,143	6,072	6,072
1968	2,513	2,382	13,933	13,207	2,196	2,082	5,561	5,271
1969	2,875	2,569	14,815	13,240	2,393	2,139	6,014	5,374
1970	2,430	2,008	15,590	12,884	2,549	2,107	6,531	5,398
1971	2,515	1,942	16,669	12,872	2,848	2,200	7,388	5,705
1972	2,564	1,859	17,317	12,558	3,474	2,519	8,492	6,158
1973	2,728	1,853	19,067	12,953	3,623	2,461	9,090	6,175
1974	3,357	2,090	23,125	14,399	3,777	2,352	9,503	5,917
1975	3,670	2,085	26,295	14,949	4,190	2,382	9,925	5,642
1976	4,555	2,433	30,818	16,463	4,597	2,456	11,116	5,938
1977	4,959	2,483	33,530	16,790	4,942	2,474	12,280	6,149
1978	5,314	2,474	37,093	17,269	5,493	2,557	14,713	6,850
1979	5,765	2,486	42,453	18,307	5,311	2,290	15,820	6,821
1980	6,352	2,498	46,740	18,380	4,411	1,735	15,400	6,056
1981a	7,444	2,666	52,425	18,777	5,340	1,913	17,837	6,389

*Preliminary.

SOURCE Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81*, Vol. II.

Table C-16.—Corn PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$ 532	\$ 558	\$5,783	\$6,068	\$3,330	\$3,494	\$6,164	\$6,468
1967	531	531	5,690	5,690	3,415	3,415	6,100	6,100
1968	664	630	6,332	6,002	3,054	2,895	5,433	5,150
1969	736	658	6,975	6,233	3,044	2,720	5,457	4,877
1970	557	460	7,153	5,912	3,600	2,975	6,106	5,046
1971	1,014	783	8,477	6,546	3,930	3,248	7,911	6,109
1972	1,165	845	9,455	6,856	4,162	3,018	8,166	5,922
1973	1,350	917	10,424	7,082	4,036	2,742	7,645	5,194
1974	1,369	852	11,492	7,156	3,973	2,474	7,888	4,912
1975	1,450	824	13,071	7,431	4,568	2,597	8,590	4,883
1976	1,457	778	14,794	7,903	4,371	2,335	9,187	4,908
1977	1,546	774	15,578	7,801	4,679	2,343	9,608	4,811
1978	2,247	1,046	18,411	8,571	4,936	2,298	11,434	5,323
1979	2,452	1,057	20,673	8,915	5,299	2,285	12,815	5,526
1980	3,193	1,256	24,697	9,712	4,535	1,783	12,322	4,845
1981a	3,739	1,339	27,595	9,884	4,311	1,544	13,270	4,753

*Preliminary

SOURCE Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81*, Vol. I.

Table C-17.—Wheat PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$ 774	\$812	\$3,928	\$4,122	\$3,344	\$3,509	\$ 7,077	\$7,426
1967	731	731	3,826	3,826	3,825	3,825	7,376	7,376
1968	862	817	3,999	3,791	4,115	3,900	6,313	5,984
1969	870	777	4,547	4,063	3,797	3,393	6,083	5,436
1970	868	717	5,266	4,352	4,385	3,624	6,777	5,601
1971	712	550	5,526	4,267	4,492	3,469	7,077	5,465
1972	893	647	5,889	4,270	4,530	3,285	7,645	5,544
1973	1,213	824	6,524	4,432	4,451	3,024	7,584	5,152
1974	1,145	713	6,904	4,299	4,491	2,797	7,945	4,947
1975	1,408	800	8,186	4,654	4,825	2,743	8,434	4,795
1976	1,650	882	9,925	5,302	4,883	2,608	9,099	4,861
1977	1,734	868	11,601	5,809	5,400	2,704	10,106	5,061
1978	1,871	871	12,717	5,920	4,483	2,087	10,709	4,986
1979	2,025	873	14,130	6,093	4,292	1,851	10,813	4,663
1980	2,156	847	17,536	6,896	3,652	1,436	10,868	4,274
1981a	2,475	886	19,970	7,153	3,684	1,319	12,923	4,629

^aPreliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81 Vol. II*

Table C-18.—Soybean PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$ 155	\$162	\$2,340	\$2,455	\$1,346	\$1,413	\$2,986	\$3,133
1967	171	171	2,572	2,572	1,258	1,258	3,227	3,227
1968	335	317	3,217	3,049	1,478	1,401	3,366	3,190
1969	672	600	4,200	3,753	1,682	1,503	3,636	3,249
1970	408	337	4,976	4,112	1,524	1,260	3,379	2,793
1971	488	376	5,491	4,240	1,922	1,484	4,373	3,377
1972	435	315	6,309	4,575	1,950	1,414	5,144	3,730
1973	502	341	7,118	4,836	1,987	1,350	5,786	3,931
1974	601	374	8,570	5,336	2,156	1,342	6,579	4,097
1975	909	516	11,312	6,431	2,465	1,401	7,331	4,168
1976	1,246	666	14,515	7,754	2,978	1,591	9,329	4,983
1977	1,655	829	17,913	8,970	3,502	1,753	10,877	5,447
1978	1,827	851	21,550	10,033	3,939	1,834	12,650	5,889
1979	2,273	980	25,367	10,939	3,931	1,695	13,484	5,815
1980	2,391	940	28,398	11,167	4,228	1,663	14,579	5,733
1981a	2,213	793	30,541	10,939	4,346	1,556	16,533	5,922

^aPreliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. I.*

Table C-19.— Rice PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$90	\$ 94	\$ 673	\$ 706	\$ 420	\$440	\$ 823	\$863
1967	86	86	728	728	462	462	838	838
1968	86	82	987	936	621	589	956	906
1969	120	107	1,067	954	629	562	1,019	911
1970	77	64	1,138	940	646	534	1,049	867
1971	128	99	1,407	1,086	701	548	1,187	917
1972	154	111	1,363	988	822	596	1,341	972
1973	142	96	1,660	1,127	771	524	1,336	908
1974	212	132	2,374	1,478	773	481	1,233	768
1975	236	134	2,881	1,638	905	515	1,410	802
1976	333	178	3,114	1,663	1,167	623	1,794	958
1977	367	184	3,069	1,537	1,466	734	2,205	1,104
1978	374	174	3,469	1,615	1,423	662	2,332	1,086
1979	362	156	3,966	1,710	1,210	522	2,019	871
1980	454	179	4,554	1,791	1,199	471	2,298	904
1981a	507	182	5,161	1,848	1,196	429	2,369	848

^aPreliminary

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81 Vol I.*

Table C-20.—Cotton PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$337	\$353	\$6,895	\$7,235	\$5,252	\$5,510	\$12,102	\$12,698
1967	373	373	7,414	7,414	5,485	5,485	13,062	13,062
1968	349	330	6,406	6,072	6,222	5,897	14,427	13,675
1969	373	333	7,137	6,378	5,830	5,210	14,780	13,208
1970	381	315	7,745	6,401	7,037	5,816	15,825	13,079
1971	353	273	7,899	6,100	6,581	5,082	17,184	13,269
1972	389	282	8,701	6,310	7,210	5,229	20,377	14,777
1973	481	327	10,407	7,070	6,938	4,714	20,658	14,034
1974	432	269	10,753	6,696	7,270	4,527	19,357	12,053
1975	393	224	12,211	6,942	7,200	4,093	20,193	11,480
1976	449	240	11,115	5,938	6,365	3,400	22,014	11,760
1977	477	239	13,175	6,597	5,491	2,750	23,099	11,567
1978	440	205	12,071	5,620	6,276	2,922	24,082	11,211
1979	458	198	12,947	5,583	5,838	2,517	23,099	9,961
1980	575	226	15,337	6,031	5,371	2,112	22,676	8,917
1981 ^a	842	302	17,100	6,125	5,377	1,936	27,997	10,028

^aPreliminary

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, *Inventory of Agricultural Research FY 1966-81, Vol. I.*

Table C-21.—Dairy PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$3,487	\$3,659	\$19,324	\$20,277	\$2,352	\$2,468	\$9,869	\$10,356
1967	3,503	3,503	18,607	18,607	2,471	2,471	10,162	10,162
1968	4,030	3,819	18,463	17,500	3,493	3,311	10,048	9,524
1969	4,160	3,718	19,541	17,463	3,440	3,074	10,022	8,956
1970	4,491	3,711	20,686	17,096	3,973	3,283	11,014	9,102
1971	4,328	3,342	21,190	16,363	4,386	3,387	12,295	9,494
1972	4,292	3,112	21,824	15,826	5,075	3,680	13,640	9,891
1973	3,914	2,659	23,566	16,010	4,735	3,217	13,176	8,951
1974	4,632	2,854	27,074	16,858	3,869	2,409	12,794	7,966
1975	5,775	3,283	29,748	16,912	3,929	2,234	14,245	8,098
1976	6,378	3,407	34,068	18,199	3,869	2,067	14,726	7,866
1977	7,323	3,667	37,362	18,709	3,808	1,907	17,567	8,797
1978	7,738	3,602	39,708	18,486	2,978	1,386	16,338	7,606
1979	7,644	3,296	45,428	19,589	3,344	1,442	21,608	9,318
1980	8,834	3,474	51,670	20,319	2,540	999	19,992	7,862
1981a	9,402	3,368	56,677	20,300	2,846	1,019	21,361	7,651

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, Inventory of Agricultural Research FY 1966-81, Vol. I.

Table C-22.—Beef PHTME and Total Agricultural Research Expenditures by SAES and USDA in Current and Constant Dollars, 1966-81 (thousands of dollars)

Year	SAES PHTME research expenditure		SAES Total research expenditure		USDA PHTME research expenditure		USDA Total research expenditure	
	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars	Current dollars	Constant dollars
1966	\$1,438	\$1,508	\$18,677	\$19,598	\$2,408	\$2,527	\$10,445	\$10,960
1967	1,484	1,484	17,729	17,729	2,491	2,491	10,862	10,882
1968	2,216	2,100	19,050	18,057	3,330	3,157	10,316	9,778
1969	2,094	1,872	20,121	17,981	3,427	3,063	10,460	9,348
1970	1,902	1,572	22,637	18,708	3,388	2,800	11,338	9,370
1971	1,883	1,454	23,385	18,058	3,888	3,002	13,078	10,099
1972	2,306	1,672	25,739	18,665	4,062	2,945	14,416	10,454
1973	2,402	1,632	28,872	19,614	4,739	3,220	15,163	10,301
1974	2,918	1,817	34,978	21,780	4,892	3,046	15,922	9,914
1975	3,247	1,846	37,596	21,374	5,971	3,395	18,751	10,660
1976	4,266	2,279	44,178	23,599	6,307	3,369	23,212	12,400
1977	4,348	2,177	55,179	27,631	5,751	2,880	24,131	12,084
1978	4,504	2,097	57,557	26,796	9,163	4,249	29,818	13,882
1979	4,999	2,156	66,594	28,717	5,152	2,222	28,631	12,346
1980	5,244	2,062	75,363	29,635	5,056	1,988	29,525	11,610
1981a	5,243	1,878	80,864	28,963	5,822	2,085	32,669	11,701

*Preliminary.

SOURCE: Compiled from the U.S. Department of Agriculture, Science and Education Administration, Inventory of Agricultural Research FY 1966-81 Vol. I.