

BARD

United States - Israel

Binational Agricultural Research and Development Fund



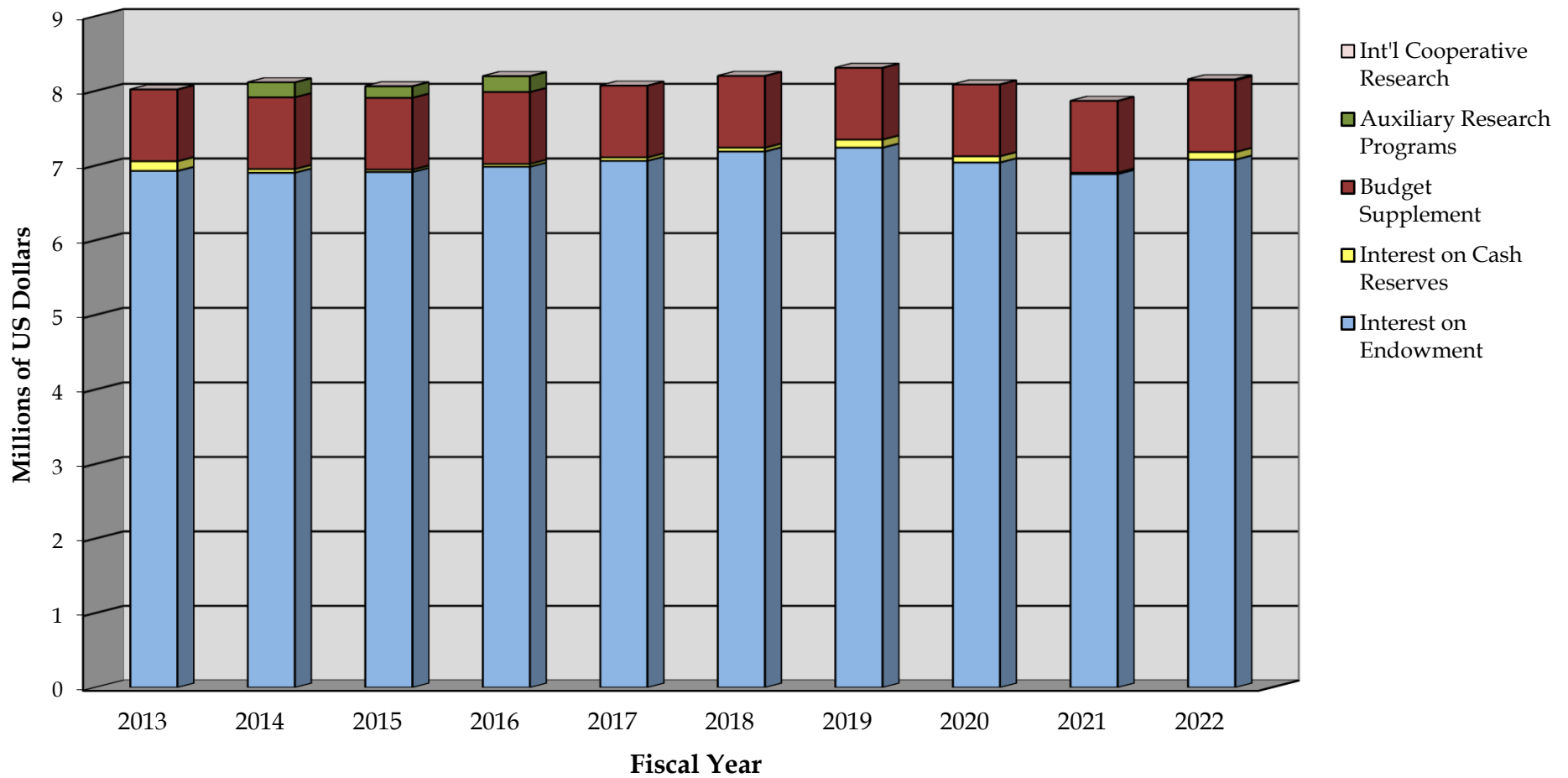
Statistical Data

Revised: March 2023

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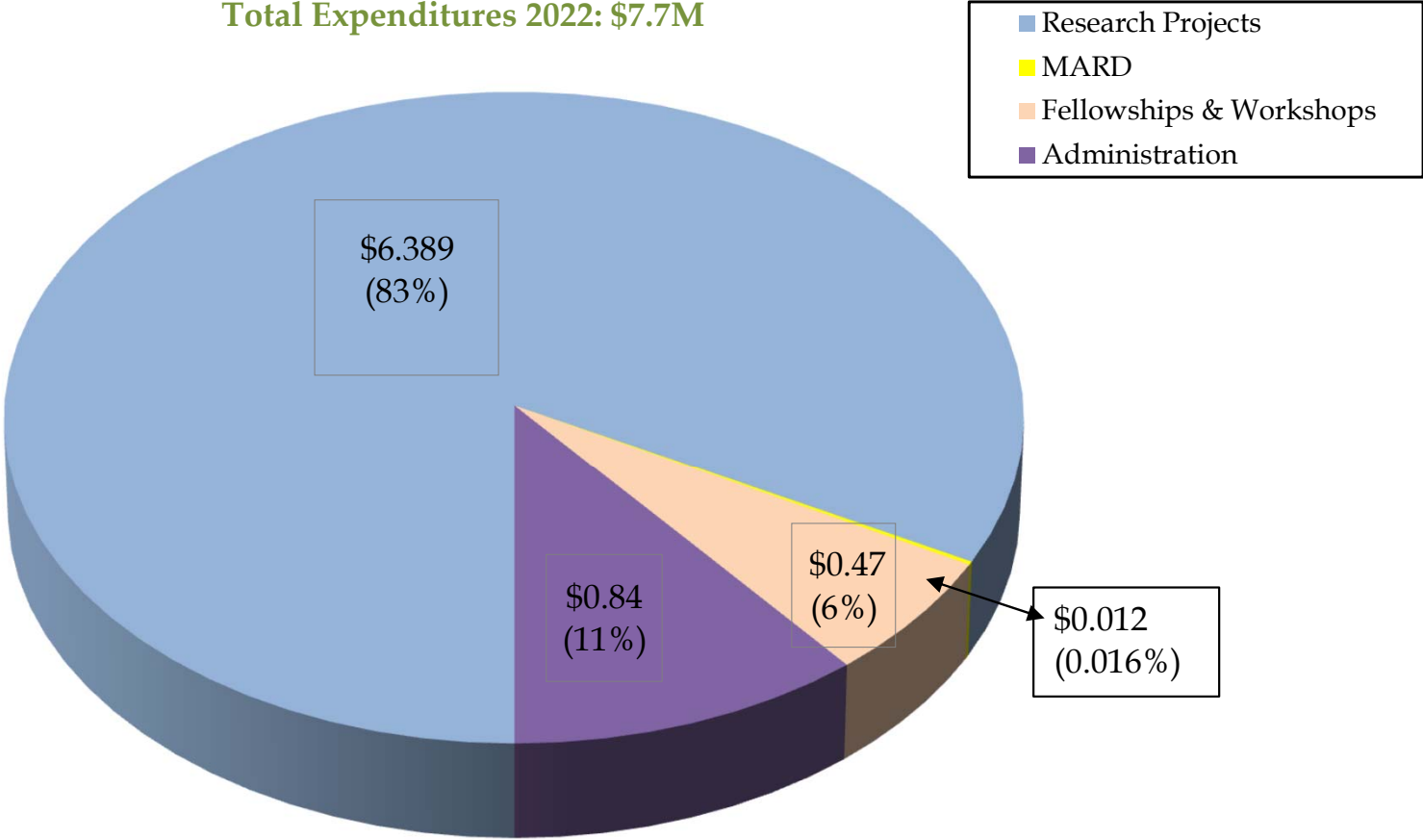
Sources of Income



Allocation of Expenditures in 2022

(in millions of US dollars)

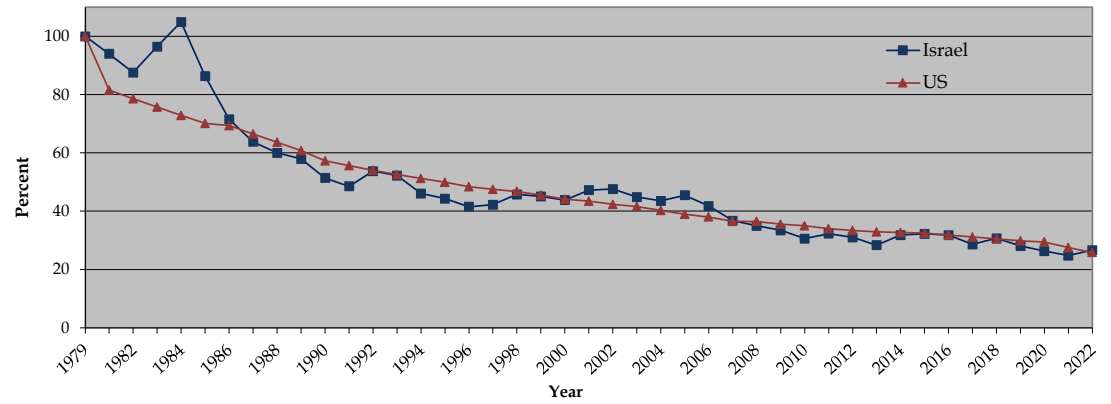
Total Expenditures 2022: \$7.7M



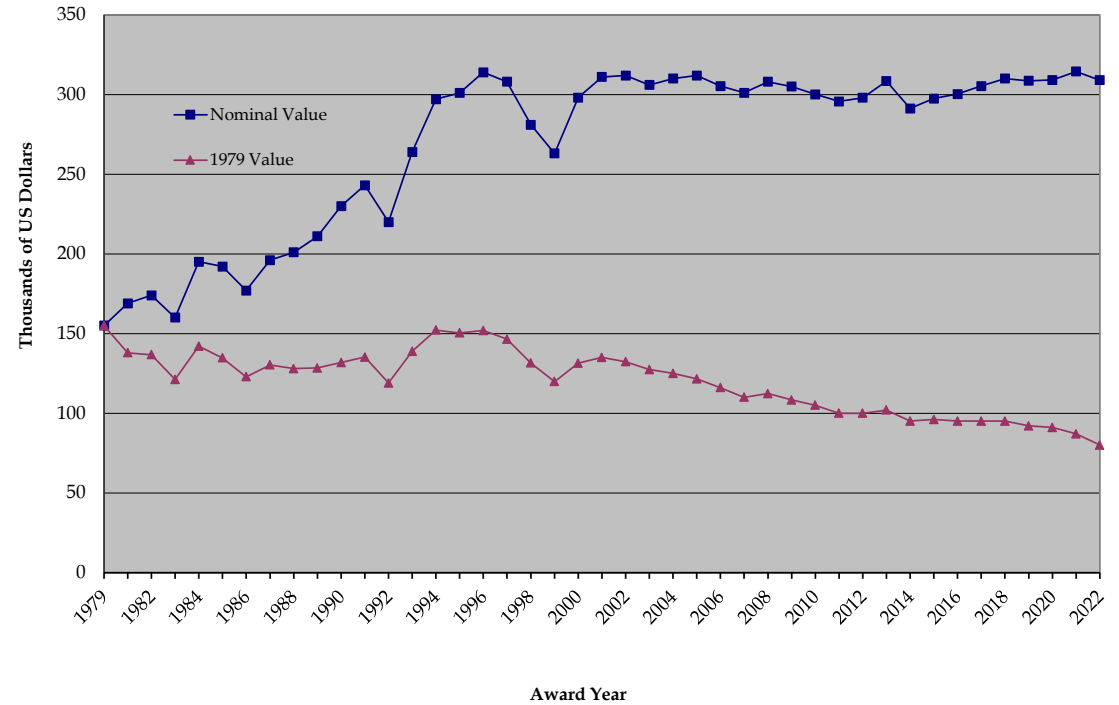
Impact of US Dollar Devaluation on Research Budgets

Award Year	Approved Budget (in thousands of US dollars)			
	Total		Average per Project	
	Nominal US\$ value	1979 US\$ value	Nominal US\$ value	1979 US\$ value
1979	6,577	6,577	155	155
1980	9,391	8,346	172	153
1981	8,464	6,906	169	138
1982	8,223	6,462	174	137
1983	6,519	4,936	160	121
1984	7,238	5,272	195	142
1985	9,175	6,438	192	135
1986	7,866	5,460	177	123
1987	7,970	5,297	196	130
1988	7,709	4,907	201	128
1989	7,463	4,539	211	128
1990	9,505	5,449	230	132
1991	9,000	5,006	243	135
1992	7,545	4,078	220	119
1993	10,666	5,611	264	139
1994	9,903	5,074	297	152
1995	11,044	5,518	301	150
1996	10,896	5,269	314	152
1997	11,000	5,231	308	146
1998	7,985	3,737	281	131
1999	6,220	2,835	263	120
2000	7,539	3,323	298	131
2001	7,670	3,329	311	135
2002	7,170	3,040	312	132
2003	8,010	3,334	306	127
2004	7,550	3,043	310	125
2005	7,900	3,079	312	122
2006	8,143	3,095	305	116
2007	8,635	3,153	301	110
2008	8,000	2,919	308	112
2009	8,332	2,959	305	108
2010	7,000	2,450	300	105
2011	6,500	2,209	296	100
2012	5,560	1,857	298	100
2013	5,345	1,759	308	102
2014	6,405	2,092	291	95
2015	6,045	1,960	297	96
2016	6,900	2,192	300	95
2017	5,902	1,836	305	95
2018	6,197	1,892	310	95
2019	6,792	2,027	309	92
2020	7,006	2,063	309	91
2021	6,078	1,672	314	87
2022	6,086	1,573	309	80
Total	341,124	166,559		

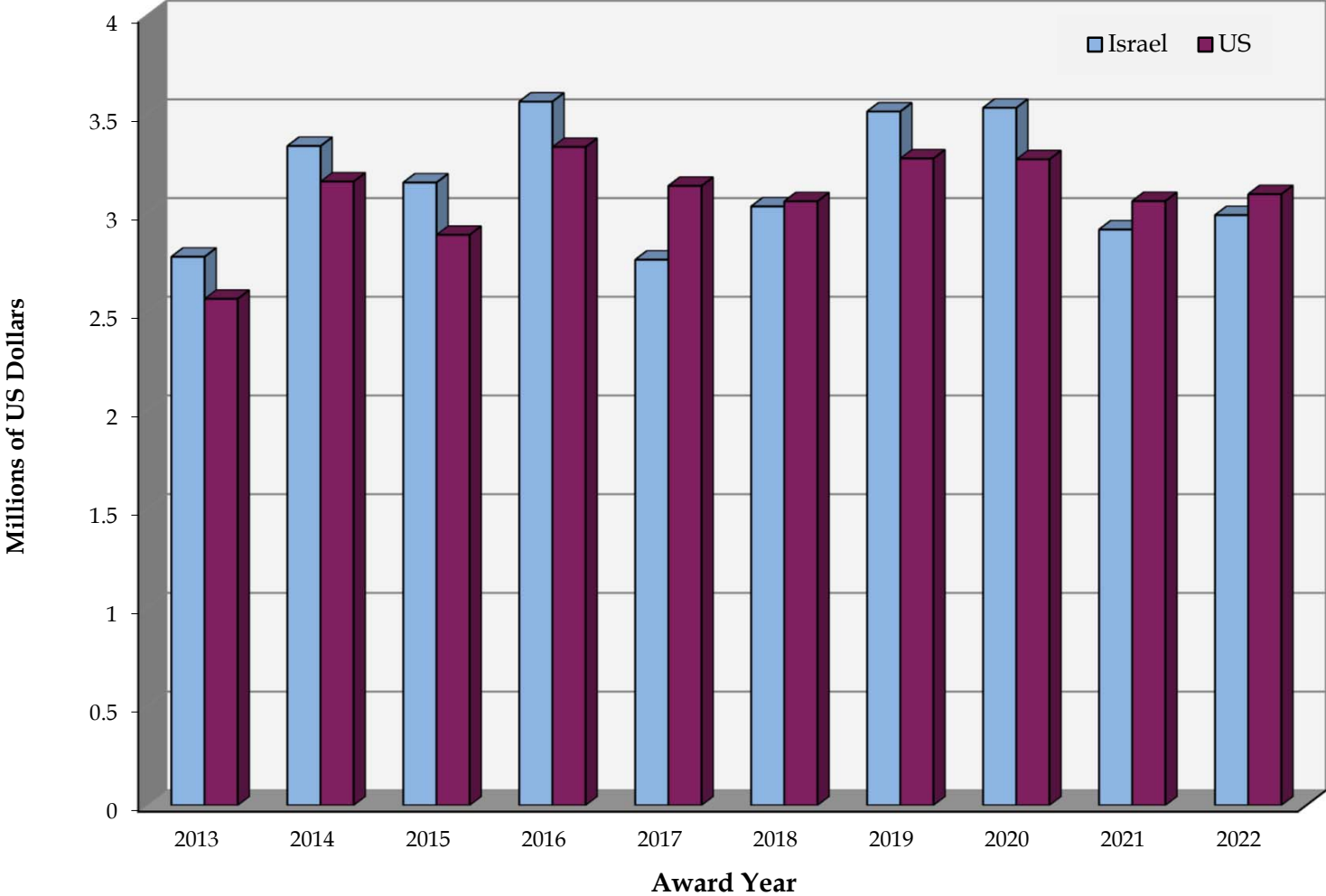
Purchasing Power of US Dollar



Impact of Inflation on Average Grant



Allocation of Budget by Country of Research



Summary of Submitted and Approved Proposals

Year	Number of Proposals		% Approved
	Submitted	Approved	
79-89	1,581	492	31
1990	182	43	24
1991	144	39	27
1992	165	36	22
1993	152	42	28
1994	119	34	29
1995	153	38	25
1996	157	35	22
1997	147	36	24
1998	143	29	20
1999	125	25	20
2000	90	28	31
2001	100	26	26
2002	91	25	27
2003	122	28	23
2004	144	27	19
2005	164	28	17
2006	130	28	22
2007	122	30	25
2008	109	28	26
2009	94	30	32
2010	95	24	25
2011	104	24	23
2012	96	20	21
2013	113	18	16
2014	99	24	24
2015	92	23	25
2016	106	27	25
2017	72	20	28
2018	91	22	24
2019	81	23	28
2020	95	24	25
2021	131	20	15
2022	100	21	21
Total	5,509	1,417	26



Summary of Submitted and Approved Proposals by Research Area

(Cumulative for Award Years 1979-2022)

Area of Research	Number of Projects			Approved Budget	
	Submitted	Approved	%	1000's US \$	%
Agricultural Innovation and Engineering Technologies	421	116	28	23,903	7
Animal Health and Invasive Species	439	109	25	26,088	8
Animal Production	564	147	26	37,490	11
Aquaculture	217	61	28	13,690	4
Crop Health and Invasive Species	1067	271	25	65,591	19
Crop Production	1614	414	26	102,052	30
Environment, Water and Renewable Resources	659	155	24	36,730	11
Food Product - Safety, Security and Quality	528	144	27	35,579	10
Total	5,509	1,417	26	341,123	100

Funded Institutions in Israel

(Cumulative for Award Years 1979-2022)

Institution	Number of Projects					Approved Budget (US Dollars)					% of Total Funded in Israel
	BARD	NIFA-BARD	Auxiliary	Int'l Cooperative Research	Total Projects Approved	BARD	NIFA-BARD	Auxiliary	Int'l Cooperative Research	Total Approved Budget	
ARO - Agricultural Research Organization	759	3	19	9	790	82,087,205	535,000	1,740,911	948,907	85,312,023	45.41
Bar-Ilan University	24	0	0	0	24	2,128,890	0	0	0	2,128,890	1.13
Ben Gurion University	51	0	4	2	57	4,497,942	0	529,450	145,800	5,173,192	2.75
Eilat Regional Council	4	0	0	0	4	364,800	0	0	0	364,800	0.19
Galilee Society	0	0	2	0	2	0	0	45,585	0	45,585	0.02
Hahaklait	1	0	0	0	1	32,600	0	0	0	32,600	0.02
Haifa University	24	0	1	0	25	2,727,703	0	5,000	0	2,732,703	1.46
Hebrew University of Jerusalem	407	2	8	2	419	42,084,269	199,000	634,100	173,255	43,090,624	22.94
Institute for Farm Income Research	1	0	0	0	1	33,499	0	0	0	33,499	0.02
Israel Atomic Energy Commission	1	0	0	0	1	75,000	0	0	0	75,000	0.04
Israel Citrus Marketing Board	7	0	0	0	7	308,380	0	0	0	308,380	0.16
Israel Meteorological Institute	1	0	0	0	1	14,900	0	0	0	14,900	0.01
Israel Oceanographic Institute	32	0	6	0	38	3,847,380	0	681,620	0	4,529,000	2.41
Kimron Veterinary Institute	88	0	2	0	90	8,298,129	0	12,893	0	8,311,022	4.43
Migal Galilee Technological Center	15	0	1	1	17	1,244,600	0	36,000	26,753	1,307,353	0.70
Ministry of Agriculture	6	0	0	0	6	537,900	0	0	0	537,900	0.29
Ministry of Health	1	0	0	0	1	71,367	0	0	0	71,367	0.04
Open University of Israel	1	0	0	0	1	30,000	0	0	0	30,000	0.02
Ort Braude College	0	1	0	0	1	0	63,000	0	0	63,000	0.03
Ramat Negev Desert Agro-Research R&D	1	0	0	0	1	40,000	0	0	0	40,000	0.02
Regional Triangle R&D Center	1	0	0	0	1	82,000	0	0	0	82,000	0.04
Ruppin Academic Center	1	0	0	0	1	185,000	0	0	0	185,000	0.10
Tahal Water Planning	1	0	0	0	1	10,000	0	0	0	10,000	0.01
Tamar Regional Council	1	0	0	0	1	8,000	0	0	0	8,000	0.01
Technion R&D Foundation	83	0	2	0	85	8,012,569	0	356,500	0	8,369,069	4.46
Tel Aviv University	132	1	4	1	138	14,891,776	90,000	447,380	142,365	15,571,521	8.29
Tel Hai Academic College	1	0	0	0	1	66,000	0	0	0	66,000	0.04
Tel Hashomer Hospital	2	0	0	0	2	202,800	0	0	0	202,800	0.11
Weizmann Institute of Science	83	0	1	3	87	8,579,741	0	84,507	311,320	8,975,568	4.78
Yezreel Valley College	2	0	0	0	2	134,000	0	0	0	134,000	0.07
Total for Israel	1731*	7	50	18	1,806	\$180,596,450	\$887,000	\$4,573,946	\$1,748,400	\$187,805,796	100.00

* Total number of approved projects is 1417; some projects have more than one participating institution in Israel.

Funded Institutions in the US

(Cumulative for Award Years 1979-2022)

State	Institution	Number of Projects	Approved Budget (US \$)	% of Total Funded in the US
Alabama	University of Alabama	2	312,000	0.19
	Auburn University	16	1,347,830	0.84
	Tennessee Valley Authority	1	100,000	0.06
	Tuskegee University	2	82,000	0.05
Arizona	University of Arizona	28	2,953,220	1.84
	Arizona State University	3	271,000	0.17
Arkansas	University of Arkansas	2	284,900	0.18
California	California Institute of Technology	2	130,500	0.08
	California State University	3	170,324	0.11
	Carnegie Institute of Washington, Stanford	1	153,000	0.10
	University of California - Berkeley	27	2,074,038	1.29
	University of California - Davis	149	16,676,969	10.39
	University of California - Irvine	3	398,000	0.25
	University of California - Los Angeles	5	455,000	0.28
	University of California - Merced	3	349,000	0.22
	University of California - Riverside	66	5,684,306	3.54
	University of California - Santa Barbara	2	264,240	0.16
	University of California - Santa Cruz	2	192,250	0.12
	University of California - San Diego	7	738,500	0.46
	University of the Pacific	1	51,000	0.03
	Los Angeles County Fire Department	1	17,700	0.01
	Stanford University	5	357,180	0.22
	The Scripps Research Institute	2	193,360	0.12
USDA Forest Service	1	33,000	0.02	
Colorado	Colorado State University	15	1,304,191	0.81
	University of Colorado Boulder	1	165,000	0.10
Connecticut	University of Connecticut	9	743,180	0.46
	Yale University	9	719,652	0.45
Delaware	University of Delaware	6	786,230	0.49
District of Columbia	Carnegie Institute of Washington	2	67,690	0.04
	International Bank of Reconstruction	1	1,750	0.00
Florida	University of Florida	68	7,667,005	4.78
	University of South Florida	3	333,800	0.21
	Florida State University	3	118,600	0.07
	University of Miami	1	3,750	0.00
	University of Tampa	1	42,000	0.03
	Mote Marine Lab & Aquarium	2	310,000	0.19
Georgia	University of Georgia	34	3,779,920	2.35
Hawaii	University of Hawaii	11	1,447,400	0.90

Funded Institutions in the US (cont.)

(Cumulative for Award Years 1979-2022)

State	Institution	Number of Projects	Approved Budget (US \$)	% of Total Funded in the US
Idaho	University of Idaho	5	451,770	0.28
Illinois	Rush University	1	103,000	0.06
	Southern Illinois University	2	195,000	0.12
	University of Chicago	3	239,110	0.15
	University of Illinois	26	2,694,966	1.68
	University of Illinois at Chicago	2	240,722	0.15
Indiana	Purdue Research Foundation	51	5,680,557	3.54
	Indiana University	1	4,400	0.00
Iowa	Iowa State University	28	3,210,007	2.00
Kansas	University of Kansas	2	69,300	0.04
	Kansas State University	10	919,762	0.57
Kentucky	University of Kentucky	12	1,059,249	0.66
	University of Louisville	2	205,000	0.13
Louisiana	Louisiana State University	4	458,000	0.29
	Louisiana State University - Health Sciences Center	2	305,000	0.19
	Tulane University	1	70,300	0.04
Maryland	University of Maryland	16	1,578,740	0.98
	U of MD Biotechnology Institute	7	599,538	0.37
	U of MD Baltimore	1	150,000	0.09
	U of MD Baltimore County	6	662,062	0.41
	National Institutes of Health	2	4,875	0.00
Massachusetts	University of Massachusetts	14	1,290,280	0.80
	Harvard University	4	504,000	0.31
	Marine Biological Laboratory	1	78,393	0.05
	Massachusetts General Hospital	1	3,000	0.00
	Massachusetts Institute of Technology	2	144,733	0.09
	Tufts University	1	172,000	0.11
	University of Massachusetts at Dartmouth	2	256,000	0.16
	Whitehead Institute for Biomedical Research	1	26,000	0.02
	Woods Hole Oceanographic Institute	1	43,650	0.03
Michigan	University of Michigan	14	1,436,020	0.89
	Michigan State University	36	3,507,215	2.18
Minnesota	University of Minnesota	32	3,461,380	2.16
Mississippi	Mississippi State University	1	101,000	0.06
Missouri	University of Missouri	3	227,020	0.14
	University of Missouri - Kansas City	1	83,754	0.05
	George Washington University at St. Louis	1	63,400	0.04
	Danforth Center for Plant Science	2	316,000	0.20

Funded Institutions in the US (cont.)

(Cumulative for Award Years 1979-2022)

State	Institution	Number of Projects	Approved Budget (US \$)	% of Total Funded in the US
Montana	University of Montana	2	62,650	0.04
	Montana State University	8	585,529	0.36
Nebraska	University of Nebraska	14	1,380,016	0.86
Nevada	University of Nevada	3	476,000	0.30
New Hampshire	University of New Hampshire	1	168,000	0.10
New Jersey	Rutgers, The State University of New Jersey	14	1,628,320	1.01
New Mexico	New Mexico Institute of Mining & Technology	1	94,110	0.06
	New Mexico State University	4	333,976	0.21
New York	Brookhaven National Laboratory	1	86,600	0.05
	Boyce Thompson	25	3,003,857	1.87
	City University of New York	4	353,630	0.22
	Cold Spring Harbor Laboratory	3	404,000	0.25
	Columbia University	2	139,000	0.09
	Cornell University	101	10,619,547	6.62
	Cornell University Medical College	1	98,640	0.06
	New York University	2	176,000	0.11
	Rockefeller University	1	103,000	0.06
	State University of New York	12	1,502,560	0.94
North Carolina	University of Rochester	1	149,900	0.09
	Duke University	4	562,000	0.35
	East Carolina University	1	60,700	0.04
	North Carolina State University	30	3,464,360	2.16
	University of North Carolina	4	314,800	0.20
	University of North Carolina at Greensboro	1	164,000	0.10
Ohio	Wake Forest University	2	99,500	0.06
	Ohio State University	24	2,877,151	1.79
Oklahoma	Case Western	3	395,000	0.25
	Langston University	1	150,000	0.09
	The Samuel Roberts Noble Foundation	2	234,128	0.15
	University of Oklahoma	1	90,000	0.06
Oregon	Oklahoma State University	2	154,369	0.10
	Oregon State University	11	1,351,480	0.84
	University of Oregon	4	448,940	0.28
Pennsylvania	Bucknell University	1	18,000	0.01
	Fox Chase Cancer Center	2	100,750	0.06
	Monell Chemical Senses Center	3	203,380	0.13
	University of Pennsylvania	3	339,170	0.21
	Pennsylvania State University	19	2,393,690	1.49

Funded Institutions in the US (cont.)

(Cumulative for Award Years 1979-2022)

State	Institution	Number of Projects	Approved Budget (US \$)	% of Total Funded in the US
Puerto Rico	University of Puerto Rico	2	199,200	0.12
Rhode Island	University of Rhode Island	1	68,607	0.04
South Carolina	Furman University	1	55,000	0.03
	South Carolina Wildlife & Marine Research	1	51,600	0.03
	South Carolina Department of Natural Resources	1	151,600	0.09
	Clemson University	13	1,413,990	0.88
South Dakota	South Dakota State University	1	58,000	0.04
Tennessee	East Tennessee State University	1	157,000	0.10
	Tennessee Technological University	2	79,871	0.05
	University of Tennessee	7	953,500	0.59
	Vanderbilt University	3	206,000	0.13
	World Health Organization	1	2,500	0.00
Texas	Texas A&M Research Foundation	44	4,455,946	2.78
	Texas Agricultural Experiment Station	6	609,145	0.38
	Texas Technological University	7	707,400	0.44
	University of North Texas	3	471,000	0.29
	University of Texas	2	177,500	0.11
	University of Texas, Health Science Center at Houston	1	144,000	0.09
Utah	Brigham Young University	3	238,100	0.15
	University of Utah	1	50,000	0.03
	Utah State University	18	1,461,350	0.91
Vermont	University of Vermont	2	244,500	0.15
	National Forest Service (USDA)	1	53,000	0.03
Virginia	Virginia Institute of Marine Sciences	1	8,000	0.00
	Virginia Polytechnic Institute	38	3,787,251	2.36
	University of Virginia	2	105,000	0.07
Washington	University of Washington	11	1,110,950	0.69
	Washington State University	25	2,774,396	1.73
West Virginia	West Virginia University	1	50,000	0.03
	Conservation Fund Freshwater Institute	1	157,000	0.10
Wisconsin	University of Wisconsin	32	3,455,410	2.15
	University of Wisconsin Milwaukee	1	78,409	0.05
	University of Wisconsin Steven's Point	1	80,000	0.05
Wyoming	University of Wyoming	3	404,000	0.25
USDA-ARS	All Projects	244	20,327,195	12.74
Total for the US		1601*	\$160,527,861	100.00

Total distribution of research funds to **Land Grant Universities: \$115,960,476 (72% of total distribution in the US)**

Total distribution of research funds to **USDA Agric. Research Service: \$20,327,195 (13% of total distribution in the US)**

Total distribution of other non-profit research institutions: **\$24,240,190 (15% of total distribution in the US)**

* Total number of approved projects is 1417; some projects have more than one participating institution in the US.

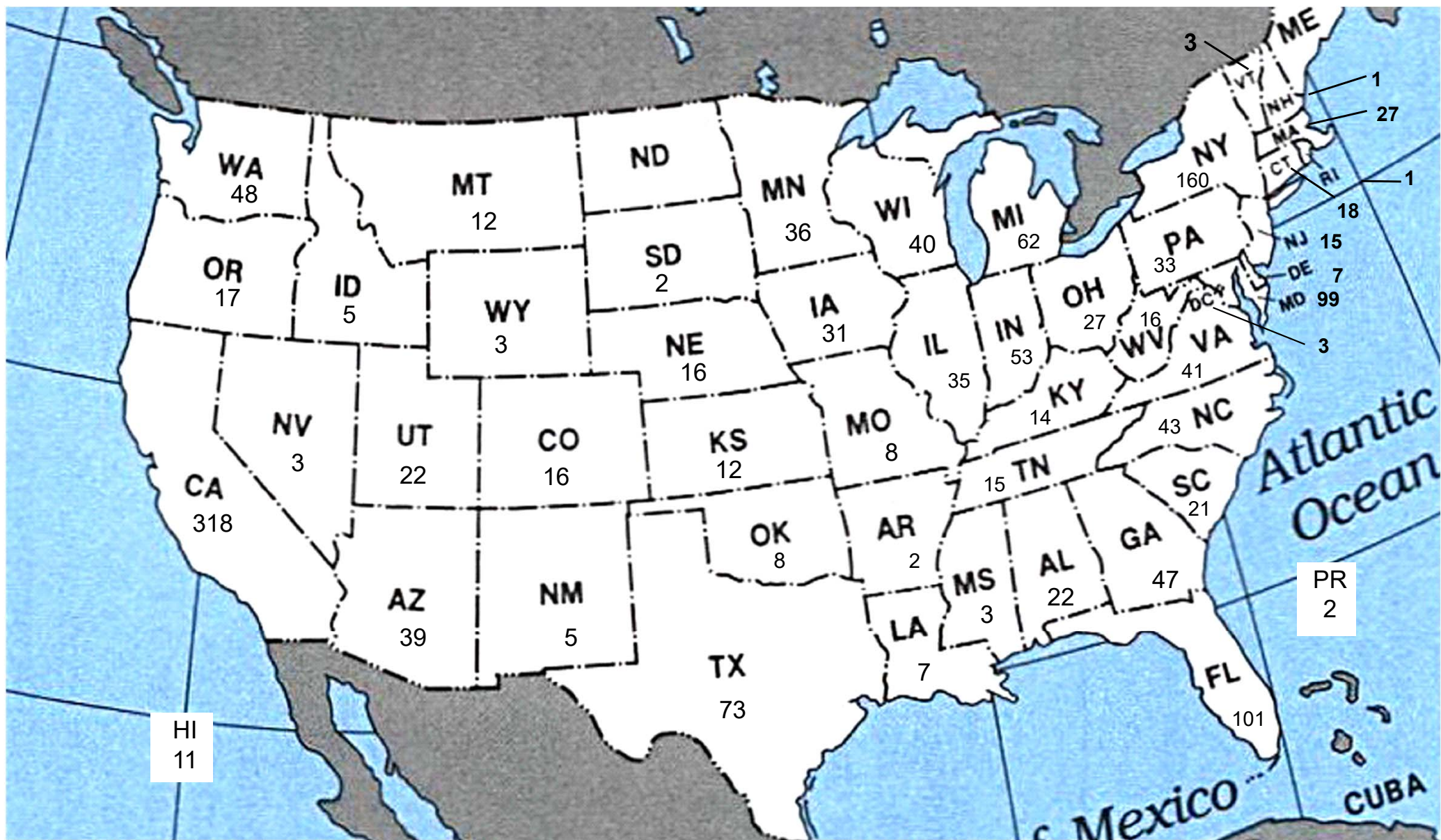
USDA-ARS Funded Projects by Location of Research

(Cumulative for Award Years 1979-2022)

State	Number of Projects
Alabama	1
Arizona	8
California	38
Delaware	1
Florida	23
Georgia	13
Illinois	1
Indiana	1
Iowa	3
Maryland	66
Michigan	12
Minnesota	4
Mississippi	2
Missouri	1

State	Number of Projects
Montana	2
Nebraska	2
New Jersey	1
New York	7
North Carolina	1
Oklahoma	2
Oregon	2
Pennsylvania	5
South Carolina	5
South Dakota	1
Texas	10
Washington	12
West Virginia	14
Wisconsin	6
Total	244

Distribution of Funded Projects by State



Allocation of Budget by Type of Expenditure

(Cumulative for Award Years 1979-2022)

	B U D G E T (in US Dollars)					
	Salaries	Equipment	Supplies	Travel Abroad	Overhead	Total
ISRAEL	85,918,683 48%	11,377,112 6%	48,015,169 27%	4,410,815 2%	30,874,671 17%	180,596,450 100%
US	91,310,882 57%	3,492,239 2%	35,484,066 22%	3,902,804 2%	26,337,870 17%	160,527,861 100%
TOTAL	177,229,565 52%	14,869,351 4%	83,499,235 24%	8,313,619 3%	57,212,541 17%	341,124,311 100%