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Form 990  Department of the Treasury Internal Revenue Service	Return of Organization Exempt From Income Tax Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations) ▶ Do not enter Social Security numbers on this form as it may be made public. By law, the IRS generally cannot redact the information on the form. ▶ Information about Form 990 and its instructions is at www.irs.gov/form990	OMB No 1545-0047 2013 Open to Public Inspection

A For the 2013 calendar year, or tax year beginning 01-01-2013 , 2013, and ending 12-31-2013			
B Check if applicable ☐ Address change ☐ Name change ☐ Initial return ☐ Terminated ☐ Amended return ☐ Application pending	C Name of organization BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC		D Employer identification number 13-1739923
	Doing Business As		
	Number and street (or P O box if mail is not delivered to street address)	Room/suite	E Telephone number
	533 TOWER ROAD		(607) 254-1234
	City or town, state or province, country, and ZIP or foreign postal code ITHACA, NY 148531801		G Gross receipts \$ 975,017,069
	F Name and address of principal officer DAVID STERN 533 TOWER ROAD ITHACA, NY 148531801		H(a) Is this a group return for subordinates? ☐ Yes ☒ No H(b) Are all subordinates included? ☐ Yes ☐ No If "No," attach a list (see instructions)
I Tax-exempt status ☒ 501(c)(3) ☐ 501(c) () ◀(insert no) ☐ 4947(a)(1) or ☐ 527		H(c) Group exemption number ▶	
J Website: ▶ WWW.BTI.CORNELL.EDU			
K Form of organization ☒ Corporation ☐ Trust ☐ Association ☐ Other ▶		L Year of formation 1924	M State of legal domicile NY

Part I		Summary		
Activities & Governance	1	Briefly describe the organization's mission or most significant activities THE BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC (BTI) WAS FOUNDED BY WILLIAM BOYCE THOMPSON OUT OF A CONVICTION THAT "ANY PRINCIPLES CONCERNING THE NATURE OF LIFE THAT YOU CAN ESTABLISH FOR PLANTS, WILL HELP YOU UNDERSTAND MAN, IN HEALTH AND IN DISEASE " HE ALSO SAW PLANT SCIENCE AS A MEANS OF ENDING HUNGER, THUS ULTIMATELY PROMOTING DEMOCRACY AND POLITICAL STABILITY BTI SCIENTISTS INCREASE THE UNDERSTANDING OF PLANTS FOR THE BENEFIT OF PEOPLE AND THE ENVIRONMENT, CONCENTRATING PARTICULARLY ON PLANT DEVELOPMENT, MOLECULAR PLANT MICROBE INTERACTIONS, AND MOLECULAR AND CHEMICAL ECOLOGY BTI ENVISIONS A WORLD IN WHICH NUTRITIOUS FOOD IS IN ABUNDANCE, THE ENVIRONMENT IS SECURE, AND PEOPLE LIVE FULLER, HEALTHIER LIVES THIS VISION CAN BE REALIZED IN PART THROUGH THE STUDY OF PLANT BIOLOGY AT BTI, WE STRIVE TO BE A WORLD LEADER IN PLANT BIOLOGY		
	2	Check this box ☐ if the organization discontinued its operations or disposed of more than 25% of its net assets		
	3	Number of voting members of the governing body (Part VI, line 1a)	3	18
	4	Number of independent voting members of the governing body (Part VI, line 1b)	4	17
	5	Total number of individuals employed in calendar year 2013 (Part V, line 2a)	5	190
Revenue	6	Total number of volunteers (estimate if necessary)	6	17
	7a	Total unrelated business revenue from Part VIII, column (C), line 12	7a	0
	b	Net unrelated business taxable income from Form 990-T, line 34	7b	0
	8	Contributions and grants (Part VIII, line 1h)	Prior Year	Current Year
	9	Program service revenue (Part VIII, line 2g)	10,232,418	8,370,240
Expenses	10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	0	0
	11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	4,342,795	15,120,011
	12	Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	751,598	331,617
	13	Grants and similar amounts paid (Part IX, column (A), lines 1–3)	15,326,811	23,821,868
	14	Benefits paid to or for members (Part IX, column (A), line 4)	2,258,377	1,756,549
	15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	0	0
	16a	Professional fundraising fees (Part IX, column (A), line 11e)	11,774,733	10,786,257
	b	Total fundraising expenses (Part IX, column (D), line 25) <u>180,811</u>	0	0
	17	Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	4,364,119	3,859,422
Net Assets or Fund Balances	18	Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)	18,397,229	16,402,228
	19	Revenue less expenses Subtract line 18 from line 12	-3,070,418	7,419,640
	20	Total assets (Part X, line 16)	Beginning of Current Year	End of Year
	21	Total liabilities (Part X, line 26)	100,249,234	104,102,629
	22	Net assets or fund balances Subtract line 21 from line 20	13,402,041	11,454,650
			86,847,193	92,647,979

Part II	Signature Block
Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge	

Sign Here	*****	2014-11-14
	Signature of officer	Date
	SOPHIA DARLING VP FINANCE Type or print name and title	

Paid Preparer Use Only	Print/Type preparer's name ISRAEL TANNENBAUM	Preparer's signature	Date	Check ☐ if self-employed	PTIN P01589203
	Firm's name ► LOEB & TROPER LLP			Firm's EIN ► 13-1517563	
	Firm's address ► 655 THIRD AVENUE 12TH FLOOR NEW YORK, NY 10017			Phone no (212) 867-4000	

May the IRS discuss this return with the preparer shown above? (see instructions) ☒ Yes ☐ No

Part III

Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III

☐

☒

1

Briefly describe the organization’s mission

TO ADVANCE AND COMMUNICATE SCIENTIFIC KNOWLEDGE IN PLANT BIOLOGY TO IMPROVE AGRICULTURE, PROTECT THE ENVIRONMENT, AND ENHANCE HUMAN HEALTH

2

Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?

☐ Yes ☒ No

If "Yes," describe these new services on Schedule O

3

Did the organization cease conducting, or make significant changes in how it conducts, any program services?

☐ Yes ☒ No

If "Yes," describe these changes on Schedule O

4

Describe the organization’s program service accomplishments for each of its three largest program services, as measured by expenses Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported

4a

(Code) (Expenses \$ 9,588,022 including grants of \$ 1,569,284) (Revenue \$)

SEE SCHEDULE OIMPROVE AGRICULTURE/SUSTAINABLE FOOD PRODUCTION INSTITUTE SCIENTISTS ADVANCE, COMMUNICATE, AND APPLY PLANT RESEARCH TOWARDS PRODUCING AN INCREASINGLY SUSTAINABLE FOOD SUPPLY THE UNITED NATIONS FEBRUARY, 2010 FOOD SECURITY ANALYSIS CITES CLIMATE CHANGE, NATURAL DISASTER, RAPID URBANIZATION, AND UNPRECEDENTED POPULATION GROWTH AS GREAT CHALLENGES TO THE SUSTAINABLE FUTURE OF THE WORLD FOOD SUPPLY AT BTI, SCIENTISTS ARE INVESTIGATING, AT THE MOLECULAR LEVEL, HOW PLANTS GROW, RESPOND TO LIGHT, AND MAKE USE OF THESE FUNCTIONS ON A SCALE THAT CAN MEET DEMAND CURRENT RESEARCH IS FOCUSED ON IMPROVING THE NUTRITIVE QUALITY OF FOOD, INCREASING YIELD, AND FURTHERING THE SUSTAINABILITY OF AGRONOMICALLY VIABLE PLANT SPECIES SPECIFIC RESEARCH FOCUSES ON INCREASED SHELF-LIFE TO REDUCE FOOD WASTE, NATURAL INSECT CONTROL TO FURTHER REDUCE THE NEED FOR PESTICIDES, ENHANCED DISEASE RESISTANCE IN PLANTS, CROPS THAT PRODUCE HIGHER YIELD WITH LESS LIGHT, REDUCED NEED FOR CHEMICAL FERTILIZATION AND BREED PLANTS WITH HIGHER TOLERANCE FOR ENVIRONMENTAL STRESSORS SUCH AS DROUGHT, HEAT AND COLD

4b

(Code) (Expenses \$ 1,302,255 including grants of \$ 22,536) (Revenue \$)

SEE SCHEDULE OPROTECT THE ENVIRONMENT AND RENEWABLE ENERGY INSTITUTE SCIENTISTS ADVANCE, COMMUNICATE AND APPLY PLANT RESEARCH TO PROTECTING THE ENVIRONMENT AND ADVANCING RENEWABLE ENERGY PLANTS HELP OFFSET GLOBAL WARMING BY ABSORBING CARBON DIOXIDE PLANTS ALSO PROVIDE RENEWABLE AND SUSTAINABLE SOURCES OF FOOD AND ENERGY, WORLDWIDE AT BTI, SCIENTISTS USE A SUITE OF MODERN TECHNIQUES TO UNDERSTAND KEY PROCESSES SUCH AS PHOTOSYNTHESIS AND BIOMASS PRODUCTION AT THE MOLECULAR, BIOCHEMICAL AND GENETIC LEVEL RESEARCH AT BTI AIMS TO IMPROVE PLANT GROWTH AND INCREASE YIELD WITH FEWER NEGATIVE EFFECTS ON THE ENVIRONMENT

4c

(Code) (Expenses \$ 1,632,541 including grants of \$ 164,729) (Revenue \$)

SEE SCHEDULE OIMPROVED HUMAN HEALTH INSTITUTE SCIENTISTS ADVANCE, COMMUNICATE, AND APPLY PLANT RESEARCH TOWARDS IMPROVED HUMAN HEALTH CURRENT RESEARCH AT BTI MAY LEAD TO AN INCREASE IN OUR UNDERSTANDING OF HUMAN DISEASES SUCH AS DIABETES, ALZHEIMER’S DISEASE AND AGING-RELATED DISEASES, PRODUCE FOODS TO COMBAT VITAMIN DEFICIENCIES, PROVIDE NATURAL WAYS TO CONTROL BLOOD PRESSURE, AND USE GENETIC TOOLS TO COMBAT DISEASE IN HUMANS, SUCH AS THE EMPLOYMENT OF PLANT-DERIVED COMPOUNDS AS ANTI-CANCER AGENTS

(Code) (Expenses \$ 1,011,107 including grants of \$ 0) (Revenue \$)

RESEARCH TOOLS & COMMUNICATIONS INSTITUTE SCIENTISTS ADVANCE, COMMUNICATE, AND APPLY PLANT RESEARCH TOWARDS THE ADVANCEMENT OF SCIENTIFIC KNOWLEDGE VIRTUALLY EVERY DAY, SCIENTISTS DISCOVER AND RECORD A STAGGERING AMOUNT OF NEW INFORMATION ABOUT THE GENES, PROTEINS AND CHEMICALS THAT DIRECT THE LIFE OF CELLS THEY ARE ALSO CONTINUALLY DEVELOPING NEW TECHNIQUES FOR LABORATORY RESEARCH BTI SCIENTISTS ARE DEVELOPING INNOVATIVE SOFTWARE AND DATABASES, ENABLING RESEARCHERS TO BETTER ORGANIZE, ACCESS AND RETRIEVE A WEALTH OF DATA, ISOLATE AND IDENTIFY SPECIFIC GENES CONTROLLING THE SPECIFIC LIFE PROCESSES AND IDENTIFY MOLECULES WITH POTENTIAL EVOLUTIONARY, BIOLOGICAL AND MEDICAL IMPORTANCES

4d

Other program services (Describe in Schedule O)

(Expenses \$ 1,011,107 including grants of \$) (Revenue \$)

4e

Total program service expenses

13,533,925

Part IV

Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A 	1 Yes	
2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)? 	2 Yes	
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I	3	No
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II	4	No
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III	5	No
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I 	6	No
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II 	7	No
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III 	8	No
9 Did the organization report an amount in Part X, line 21 for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV 	9	No
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? If "Yes," complete Schedule D, Part V 	10 Yes	
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI 	11a Yes	
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII 	11b Yes	
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII 	11c	No
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX 	11d	No
e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X 	11e Yes	
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X 	11f Yes	
12a Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII 	12a Yes	
b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional 	12b	No
13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E	13	No
14a Did the organization maintain an office, employees, or agents outside of the United States?	14a	No
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV 	14b Yes	
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV 	15 Yes	
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV 	16	No
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions)	17	No
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II	18	No
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III	19	No
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H	20a	No
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?	20b	

Part IV

Checklist of Required Schedules (continued)

21	Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i>	21	Yes	
22	Did the organization report more than \$5,000 of grants or other assistance to individuals in the United States on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i>	22		No
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i>	23	Yes	
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i>	24a		No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	24c		
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		
25a	Section 501(c)(3) and 501(c)(4) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i>	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i>	25b		No
26	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If so, complete Schedule L, Part II</i>	26		No
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>	27		No
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions)			
a	A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>	28a	Yes	
b	A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>	28b		No
c	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>	28c		No
29	Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>	29		No
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>	32		No
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i>	33		No
34	Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i>	34		No
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a		No
b	If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i>	35b		
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>	36		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>	37		No
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O	38	Yes	

Part V

Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V

☐

			Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable.	1a3		
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable.	1b0		
c Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		1c		
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return.	2a190	Yes	
b If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions).		2b		
3a Did the organization have unrelated business gross income of \$1,000 or more during the year?		3a		
b If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O.		3b		
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	4a		No
b If "Yes," enter the name of the foreign country: See instructions for filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts.				
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?	5a		No
b Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		5b		No
c If "Yes," to line 5a or 5b, did the organization file Form 8886-T?		5c		
6a	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?	6a		No
b If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		6b		
7 Organizations that may receive deductible contributions under section 170(c).				
a Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?		7a		No
b If "Yes," did the organization notify the donor of the value of the goods or services provided?		7b		
c Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		7c		No
d If "Yes," indicate the number of Forms 8282 filed during the year.		7d		
e Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		7e		No
f Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		7f		No
g If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		7g		
h If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		7h		
8 Sponsoring organizations maintaining donor advised funds and section 509(a)(3) supporting organizations. Did the supporting organization, or a donor advised fund maintained by a sponsoring organization, have excess business holdings at any time during the year?		8		
9 Sponsoring organizations maintaining donor advised funds.				
a Did the organization make any taxable distributions under section 4966?		9a		
b Did the organization make a distribution to a donor, donor advisor, or related person?		9b		
10 Section 501(c)(7) organizations. Enter				
a Initiation fees and capital contributions included on Part VIII, line 12.		10a		
b Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities.		10b		
11 Section 501(c)(12) organizations. Enter				
a Gross income from members or shareholders.		11a		
b Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them).		11b		
12a Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?		12a		
b If "Yes," enter the amount of tax-exempt interest received or accrued during the year.		12b		
13 Section 501(c)(29) qualified nonprofit health insurance issuers.				
a Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.		13a		
b Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans.		13b		
c Enter the amount of reserves on hand.		13c		
14a Did the organization receive any payments for indoor tanning services during the tax year?		14a		No
b If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.		14b		

Part VII

Governance, Management, and Disclosure

For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Governing Body and Management

		Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year	18	
If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O			
1b	Enter the number of voting members included in line 1a, above, who are independent	17	
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2	Yes
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person?	3	No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?	4	No
5	Did the organization become aware during the year of a significant diversion of the organization's assets?	5	No
6	Did the organization have members or stockholders?	6	Yes
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	7a	Yes
7b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	7b	No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following		
8a	a The governing body?	8a	Yes
8b	b Each committee with authority to act on behalf of the governing body?	8b	Yes
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	9	No

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

		Yes	No
10a	Did the organization have local chapters, branches, or affiliates?	10a	No
10b	b If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?	10b	
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	11a	Yes
b Describe in Schedule O the process, if any, used by the organization to review this Form 990			
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	12a	Yes
12b	b Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes
12c	c Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	12c	Yes
13	Did the organization have a written whistleblower policy?	13	Yes
14	Did the organization have a written document retention and destruction policy?	14	Yes
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
15a	a The organization's CEO, Executive Director, or top management official	15a	Yes
15b	b Other officers or key employees of the organization	15b	Yes
If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions)			
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a	No
16b	b If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?	16b	

Section C. Disclosure

17	List the States with which a copy of this Form 990 is required to be filed	NY
18	Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply. ☐ Own website ☐ Another's website ☒ Upon request ☐ Other (explain in Schedule O)	
19	Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year	
20	State the name, physical address, and telephone number of the person who possesses the books and records of the organization SOPHIA DARLING 533 TOWER ROAD ITHACA, NY 148531801 (607) 254-1225	

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

- 1a Complete this table for all persons required to be listed Report compensation for the calendar year ending with or within the organization's tax year
- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation Enter -0- in columns (D), (E), and (F) if no compensation was paid

List all of the organization's **current** key employees, if any See instructions for definition of "key employee "

List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations

List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations

List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations

List persons in the following order individual trustees or directors, institutional trustees, officers, key employees, highest compensated employees, and former such persons

Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) DAVID STERN PRESIDENT	40 00	X		X				327,894	0	77,559
(2) EZRA CORNELL DIRECTOR	40	X						0	0	0
(3) ROY H PARK JR DIRECTOR	40	X						0	0	0
(4) LAURA A PHILLIPS DIRECTOR	40	X						0	0	0
(5) MACHI DILWORTH DIRECTOR	40	X						0	0	0
(6) ANDY BASS DIRECTOR	40	X						0	0	0
(7) ALAN J BILOSKI DIRECTOR	40	X						0	0	0
(8) PETER BRUNS DIRECTOR	40	X						0	0	0
(9) THOMAS BURR DIRECTOR	40	X						0	0	0
(10) MARY LOU GUERINOT DIRECTOR	40	X						0	0	0
(11) GREGORY GALVIN DIRECTOR	40	X						0	0	0
(12) GREGORY HARTZ DIRECTOR	40	X						0	0	0
(13) PAMELA RONALD DIRECTOR	40	X						0	0	0
(14) KIRA SHEINERMAN DIRECTOR	40	X						0	0	0
(15) CRISPIN TAYLOR DIRECTOR	40	X						0	0	0
(16) KATHRYN BOOR DIRECTOR	40	X						0	0	0
(17) PAUL CHOMET DIRECTOR	40	X						0	0	0

Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099- MISC)	(E) Reportable compensation from related organizations (W- 2/1099- MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(18) WILLIAM FRY DIRECTOR	40	X						0	0	0
(19) SOPHIA DARLING VP FINANCE	40 00			X				124,601	0	13,541
(20) JOAN CURTISS COO	40 00			X				107,412	0	19,810
(21) BRIDGET RIGAS-GARZON VP - COMMUNICATIONS AND DEVELOPMENT	40 00			X				86,009	0	13,572
(22) JANE CALDER ASSISTANT SECRETARY	40 00			X				57,831	0	14,083
(23) KAREN KINDLE VP RESEARCH	40 00			X				30,377	0	4,232
(24) VANESSA GREENLEE SECRETARY	40 00			X				8,767	0	1,328
(25) DR ERIC RICHARDS PROFESSOR	40 00					X		231,661	0	31,097
(26) DR DANIEL KLESSIG PROFESSOR	40 00					X		224,246	0	39,678
(27) DR MARIA HARRISON SCIENTIST	40 00					X		167,512	0	24,920
(28) GEORG JANDER ASSOCIATE PROFESSOR	40 00					X		108,331	0	28,290
(29) LUKAS MUELLER ASSOCIATE PROFESSOR	40 00					X		103,435	0	20,935
1b Sub-Total										
c Total from continuation sheets to Part VII, Section A										
d Total (add lines 1b and 1c)								1,578,076	0	289,045
2	Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization▶8									

		Yes	No
3	Did the organization list any former officer, director or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i>	3	No
4	For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? <i>If "Yes," complete Schedule J for such individual</i>	4	Yes
5	Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i>	5	No

Section B. Independent Contractors

1	Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization Report compensation for the calendar year ending with or within the organization's tax year	
(A) Name and business address	(B) Description of services	(C) Compensation
LWV ADVISORS LLC 67 MONROE AVE PITTSFORD NY 14535	INVESTMENT CONSULTING	184,805
2	Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ▶1	

Part VIII

Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a			
	b	Membership dues	1b			
	c	Fundraising events	1c			
	d	Related organizations	1d			
	e	Government grants (contributions)	1e	7,468,529		
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	901,711		
	g	Noncash contributions included in lines 1a-1f \$				
	h	Total. Add lines 1a-1f	8,370,240			
Program Service Revenue	2a	Business Code				
	b					
	c					
	d					
	e					
	f	All other program service revenue				
	g	Total. Add lines 2a-2f				
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)	507,430			507,430
	4	Income from investment of tax-exempt bond proceeds				
	5	Royalties	299,445			299,445
	6a	Gross rents	(i) Real (ii) Personal			
	b	Less rental expenses				
	c	Rental income or (loss)				
	d	Net rental income or (loss)				
	7a	Gross amount from sales of assets other than inventory	(i) Securities (ii) Other			
	b	Less cost or other basis and sales expenses				
	c	Gain or (loss)				
	d	Net gain or (loss)	14,612,581			14,612,581
	8a	Gross income from fundraising events (not including \$ of contributions reported on line 1c) See Part IV, line 18	a			
	b	Less direct expenses	b			
	c	Net income or (loss) from fundraising events				
	9a	Gross income from gaming activities See Part IV, line 19	a			
	b	Less direct expenses	b			
	c	Net income or (loss) from gaming activities				
	10a	Gross sales of inventory, less returns and allowances	a			
	b	Less cost of goods sold	b			
	c	Net income or (loss) from sales of inventory				
		Miscellaneous Revenue	Business Code			
	11a	MISCELLANEOUS	900099	32,172		32,172
	b					
	c					
	d	All other revenue				
	e	Total. Add lines 11a-11d	32,172			
	12	Total revenue. See Instructions	23,821,868	0	0	15,451,628

Part IX

Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.		(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1	Grants and other assistance to governments and organizations in the United States. See Part IV, line 21.	1,619,230	1,619,230		
2	Grants and other assistance to individuals in the United States. See Part IV, line 22.				
3	Grants and other assistance to governments, organizations, and individuals outside the United States. See Part IV, lines 15 and 16.	137,319	137,319		
4	Benefits paid to or for members.				
5	Compensation of current officers, directors, trustees, and key employees.	887,016	237,335	550,101	99,580
6	Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B).				
7	Other salaries and wages.	7,087,144	6,439,759	647,385	
8	Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions).	1,137,896	1,020,928	116,968	
9	Other employee benefits.	1,222,643	1,100,379	122,264	
10	Payroll taxes.	451,558	378,108	67,811	5,639
11	Fees for services (non-employees):				
a	Management.				
b	Legal.	97,458	82,957	14,501	
c	Accounting.	61,071		61,071	
d	Lobbying.				
e	Professional fundraising services. See Part IV, line 17.				
f	Investment management fees.	337,423		337,423	
g	Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O).	263,026	171,080	80,578	11,368
12	Advertising and promotion.	1,015,386	850,346	157,060	7,980
13	Office expenses.	619,449	386,660	185,781	47,008
14	Information technology.				
15	Royalties.				
16	Occupancy.				
17	Travel.				
18	Payments of travel or entertainment expenses for any federal, state, or local public officials.				
19	Conferences, conventions, and meetings.	360,282	230,319	120,727	9,236
20	Interest.				
21	Payments to affiliates.				
22	Depreciation, depletion, and amortization.	708,051	684,770	23,281	
23	Insurance.	196,826		196,826	
24	Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O):				
a	EQUIPMENT MAINTENANCE	200,450	194,735	5,715	
b					
c					
d					
e	All other expenses				
25	Total functional expenses. Add lines 1 through 24e.	16,402,228	13,533,925	2,687,492	180,811
26	Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here ☐ if following SOP 98-2 (ASC 958-720).				

Part X

Balance Sheet

Check if Schedule O contains a response or note to any line in this Part X

				(A)		(B)
				Beginning of year		End of year
Assets	1	Cash—non-interest-bearing		552,019	1	214,190
	2	Savings and temporary cash investments		3,544,061	2	2,805,272
	3	Pledges and grants receivable, net		1,308,560	3	1,651,497
	4	Accounts receivable, net			4	
	5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L.			5	
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L.			6	
	7	Notes and loans receivable, net			7	
	8	Inventories for sale or use		36,239	8	34,114
	9	Prepaid expenses and deferred charges			9	105,897
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D.	10a10,798,458			
	b	Less: accumulated depreciation	10b7,283,313	4,206,293	10c	3,515,145
	11	Investments—publicly traded securities		65,845,048	11	862,690
	12	Investments—other securities. See Part IV, line 11.		24,674,572	12	94,904,338
	13	Investments—program-related. See Part IV, line 11.			13	
	14	Intangible assets			14	
	15	Other assets. See Part IV, line 11.		82,442	15	9,486
	16	Total assets. Add lines 1 through 15 (must equal line 34).		100,249,234	16	104,102,629
Liabilities	17	Accounts payable and accrued expenses		1,113,384	17	7,031,593
	18	Grants payable			18	
	19	Deferred revenue		106,724	19	874,940
	20	Tax-exempt bond liabilities			20	
	21	Escrow or custodial account liability. Complete Part IV of Schedule D.			21	
	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L.			22	
	23	Secured mortgages and notes payable to unrelated third parties			23	
	24	Unsecured notes and loans payable to unrelated third parties			24	
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D.		12,181,933	25	3,548,117
	26	Total liabilities. Add lines 17 through 25.		13,402,041	26	11,454,650
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here ☒ and complete lines 27 through 29, and lines 33 and 34.					
	27	Unrestricted net assets		82,465,764	27	87,965,416
	28	Temporarily restricted net assets		1,359,229	28	1,660,363
	29	Permanently restricted net assets		3,022,200	29	3,022,200
	Organizations that do not follow SFAS 117 (ASC 958), check here ☐ and complete lines 30 through 34.					
	30	Capital stock or trust principal, or current funds			30	
	31	Paid-in or capital surplus, or land, building or equipment fund			31	
	32	Retained earnings, endowment, accumulated income, or other funds			32	
	33	Total net assets or fund balances		86,847,193	33	92,647,979
	34	Total liabilities and net assets/fund balances		100,249,234	34	104,102,629

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	23,821,868
2	Total expenses (must equal Part IX, column (A), line 25)	2	16,402,228
3	Revenue less expenses Subtract line 2 from line 1	3	7,419,640
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	86,847,193
5	Net unrealized gains (losses) on investments	5	-4,915,426
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	3,296,572
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	92,647,979

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

		Yes	No
1	Accounting method used to prepare the Form 990 ☐ Cash ☒ Accrual ☐ Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O		
2a	Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both ☐ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis	2a	No
2b	Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both ☒ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis	2b	Yes
2c	If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O	2c	Yes
3a	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	3a	Yes
3b	If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits	3b	Yes

SCHEDULE A

(Form 990 or 990EZ)

Department of the
Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.

▶ Information about Schedule A (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2013

Open to Public Inspection

Name of the organization BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC	Employer identification number 13-1739923
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Part I

Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is (For lines 1 through 11, check only one box)

1	☐	A church, convention of churches, or association of churches described in section 170(b)(1)(A)(i).
2	☐	A school described in section 170(b)(1)(A)(ii). (Attach Schedule E)
3	☐	A hospital or a cooperative hospital service organization described in section 170(b)(1)(A)(iii).
4	☐	A medical research organization operated in conjunction with a hospital described in section 170(b)(1)(A)(iii). Enter the hospital's name, city, and state _____
5	☐	An organization operated for the benefit of a college or university owned or operated by a governmental unit described in section 170(b)(1)(A)(iv). (Complete Part II)
6	☐	A federal, state, or local government or governmental unit described in section 170(b)(1)(A)(v).
7	☒	An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in section 170(b)(1)(A)(vi). (Complete Part II)
8	☐	A community trust described in section 170(b)(1)(A)(vi) (Complete Part II)
9	☐	An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See section 509(a)(2). (Complete Part III)
10	☐	An organization organized and operated exclusively to test for public safety See section 509(a)(4).
11	☐	An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2) See section 509(a)(3). Check the box that describes the type of supporting organization and complete lines 11e through 11h a ☐ Type I b ☐ Type II c ☐ Type III - Functionally integrated d ☐ Type III - Non-functionally integrated
e	☐	By checking this box, I certify that the organization is not controlled directly or indirectly by one or more disqualified persons other than foundation managers and other than one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2)
f	☐	If the organization received a written determination from the IRS that it is a Type I, Type II, or Type III supporting organization, check this box
g	☐	Since August 17, 2006, has the organization accepted any gift or contribution from any of the following persons? (i) A person who directly or indirectly controls, either alone or together with persons described in (ii) and (iii) below, the governing body of the supported organization? (ii) A family member of a person described in (i) above? (iii) A 35% controlled entity of a person described in (i) or (ii) above?
h	☐	Provide the following information about the supported organization(s)

	Yes	No
11g(i)		
11g(ii)		
11g(iii)		

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 9 above or IRC section (see instructions))	(iv) Is the organization in col (i) listed in your governing document?		(v) Did you notify the organization in col (i) of your support?		(vi) Is the organization in col (i) organized in the U S ?		(vii) Amount of monetary support
			Yes	No	Yes	No	Yes	No	
Total									

Part II

Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)
(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support						
Calendar year (or fiscal year beginning in) ▶	(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants ")	11,161,857	12,519,600	13,226,816	10,232,418	8,370,138	55,510,829
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge	1,804,267	1,527,898	1,614,589	1,580,263	1,717,336	8,244,353
4 Total. Add lines 1 through 3	12,966,124	14,047,498	14,841,405	11,812,681	10,087,474	63,755,182
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						
6 Public support. Subtract line 5 from line 4						63,755,182

Section B. Total Support							
Calendar year (or fiscal year beginning in) ▶		(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
7	Amounts from line 4	12,966,124	14,047,498	14,841,405	11,812,681	10,087,474	63,755,182
8	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	1,612,527	1,578,754	1,580,796	3,204,573	806,875	8,783,525
9	Net income from unrelated business activities, whether or not the business is regularly carried on						
10	Other income Do not include gain or loss from the sale of capital assets (Explain in Part IV)	10,361,645	44,194	13,434	1,782	32,172	10,453,227
11	Total support (Add lines 7 through 10)						82,991,934
12	Gross receipts from related activities, etc (see instructions)					12	
13	First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and stop here 						

Section C. Computation of Public Support Percentage		
14	Public support percentage for 2013 (line 6, column (f) divided by line 11, column (f))	1476 820 %
15	Public support percentage for 2012 Schedule A, Part II, line 14	1577 110 %
16a	33 1/3% support test—2013. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization	
b	33 1/3% support test—2012. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization	
17a	10%-facts-and-circumstances test—2013. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part IV how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization	
b	10%-facts-and-circumstances test—2012. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part IV how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization	
18	Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions	

Part IIISupport Schedule for Organizations Described in Section 509(a)(2)
(Complete only if you checked the box on line 9 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support						
Calendar year (or fiscal year beginning in) ▶	(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.")						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3 Gross receipts from activities that are not an unrelated trade or business under section 513						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
5 The value of services or facilities furnished by a governmental unit to the organization without charge						
6 Total. Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year						
c Add lines 7a and 7b						
8 Public support (Subtract line 7c from line 6.)						

Section B. Total Support						
Calendar year (or fiscal year beginning in) ▶	(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
9 Amounts from line 6						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						
c Add lines 10a and 10b						
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part IV.)						
13 Total support. (Add lines 9, 10c, 11, and 12.)						
14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and stop here ▶						

Section C. Computation of Public Support Percentage		
15 Public support percentage for 2013 (line 8, column (f) divided by line 13, column (f))	15	
16 Public support percentage from 2012 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage		
17 Investment income percentage for 2013 (line 10c, column (f) divided by line 13, column (f))	17	
18 Investment income percentage from 2012 Schedule A, Part III, line 17	18	
19a 33 1/3% support tests—2013. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization ▶		
b 33 1/3% support tests—2012. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization ▶		
20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ▶		

Part IV

Supplemental Information. Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; and Part III, line 12. Also complete this part for any additional information. (See instructions).

Facts And Circumstances Test	
Return Reference	Explanation
SCHEDULE A, PART II, LINE 10	MISCELLANEOUS REVENUE REVENUE IS RELATED TO INTELLECTUAL PROPERTY AND RENTAL OF EQUIPMENT TO OTHER LABORATORIES

SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

▶ Complete if the organization answered "Yes," to Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b
▶ Attach to Form 990. ▶ See separate instructions. ▶ Information about Schedule D (Form 990) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2013

Open to Public Inspection

Name of the organization
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC

Employer identification number
13-1739923

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" to Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate contributions to (during year)		
3 Aggregate grants from (during year)		
4 Aggregate value at end of year		
5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?		☐ Yes ☐ No
6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?		☐ Yes ☐ No

Part II Conservation Easements. Complete if the organization answered "Yes" to Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply)
☐ Preservation of land for public use (e g , recreation or education) ☐ Preservation of an historically important land area
☐ Protection of natural habitat ☐ Preservation of a certified historic structure
☐ Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year

	Held at the End of the Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶ _____

4 Number of states where property subject to conservation easement is located ▶ _____

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, and enforcing conservation easements during the year ▶ _____

7 Amount of expenses incurred in monitoring, inspecting, and enforcing conservation easements during the year ▶ \$ _____

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)? ☐ Yes ☐ No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" to Form 990, Part IV, line 8.

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items

(i) Revenues included in Form 990, Part VIII, line 1 ▶ \$ _____

(ii) Assets included in Form 990, Part X ▶ \$ _____

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items

a Revenues included in Form 990, Part VIII, line 1 ▶ \$ _____

b Assets included in Form 990, Part X ▶ \$ _____

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets *(continued)*

- 3

Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply)
- a

☐ Public exhibition

b

☐ Scholarly research

c

☐ Preservation for future generations

d

☐ Loan or exchange programs

e

☐ Other
- 4

Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII
- 5

During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection?

☐ Yes

☐ No

Part IV Escrow and Custodial Arrangements. Complete if the organization answered "Yes" to Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

- 1a

Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X?

☐ Yes

☐ No
- b

If "Yes," explain the arrangement in Part XIII and complete the following table
- c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

	Amount
1c	
1d	
1e	
1f	
- 2a

Did the organization include an amount on Form 990, Part X, line 21?

☐ Yes

☐ No
- b

If "Yes," explain the arrangement in Part XIII Check here if the explanation has been provided in Part XIII

☐

Part V Endowment Funds. Complete if the organization answered "Yes" to Form 990, Part IV, line 10.

	(a)Current year	(b)Prior year	b (c)Two years back	(d)Three years back	(e)Four years back
1a Beginning of year balance	3,689,702	3,351,611	3,640,860	3,388,364	3,022,200
b Contributions					
c Net investment earnings, gains, and losses	472,899	468,313	-138,472	405,030	501,441
d Grants or scholarships					
e Other expenditures for facilities and programs	124,306	130,222	150,777	152,354	135,277
f Administrative expenses					
g End of year balance	4,038,295	3,689,702	3,351,611	3,640,860	3,388,364

- 2

Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as
- a

Board designated or quasi-endowment

b

Permanent endowment

75 000 %

c

Temporarily restricted endowment

25 000 %
- The percentages in lines 2a, 2b, and 2c should equal 100%
- 3a

Are there endowment funds not in the possession of the organization that are held and administered for the organization by
- (i) unrelated organizations

3a(i)

Yes

No

(ii) related organizations

3a(ii)

Yes

No

b

If "Yes" to 3a(ii), are the related organizations listed as required on Schedule R?

3b

4

Describe in Part XIII the intended uses of the organization's endowment funds
- Part VI Land, Buildings, and Equipment.** Complete if the organization answered 'Yes' to Form 990, Part IV, line 11a. See Form 990, Part X, line 10.
- | Description of property | (a) Cost or other basis (investment) | (b)Cost or other basis (other) | (c) Accumulated depreciation | (d) Book value |
|--|--------------------------------------|--------------------------------|------------------------------|----------------|
| 1a Land | | | | |
| b Buildings | | | | |
| c Leasehold improvements | | 4,900,636 | 2,947,531 | 1,953,105 |
| d Equipment | | 5,896,822 | 4,335,782 | 1,561,040 |
| e Other | | 1,000 | | 1,000 |
| Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c).) | | | | 3,515,145 |
- Schedule D (Form 990) 2013

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return Complete if the organization answered 'Yes' to Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements	1	20,286,355
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12		
a	Net unrealized gains on investments	2a	-4,915,426
b	Donated services and use of facilities	2b	1,717,336
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII)	2d	
e	Add lines 2a through 2d	2e	-3,198,090
3	Subtract line 2e from line 1	3	23,484,445
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	337,423
b	Other (Describe in Part XIII)	4b	
c	Add lines 4a and 4b	4c	337,423
5	Total revenue Add lines 3 and 4c . (This must equal Form 990, Part I, line 12)	5	23,821,868

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return. Complete if the organization answered 'Yes' to Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements	1	17,782,141
2	Amounts included on line 1 but not on Form 990, Part IX, line 25		
a	Donated services and use of facilities	2a	1,717,336
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIII)	2d	
e	Add lines 2a through 2d	2e	1,717,336
3	Subtract line 2e from line 1	3	16,064,805
4	Amounts included on Form 990, Part IX, line 25, but not on line 1 :		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	337,423
b	Other (Describe in Part XIII)	4b	
c	Add lines 4a and 4b	4c	337,423
5	Total expenses Add lines 3 and 4c . (This must equal Form 990, Part I, line 18)	5	16,402,228

Part XIII Supplemental Information

Provide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4, Part IV, lines 1b and 2b, Part V, line 4, Part X, line 2, Part XI, lines 2d and 4b, and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

Return Reference	Explanation
PART V, LINE 4	THE INCOME HAS BEEN BOARD DESIGNATED TO SUPPORT A POSITION IN PLANT MOLECULAR BIOLOGY
PART X, LINE 2	THE INSTITUTE HAS DETERMINED THAT THERE ARE NO MATERIAL UNCERTAIN TAX POSITIONS THAT REQUIRE RECOGNITION OR DISCLOSURE IN THE FINANCIAL STATEMENTS. TAX RETURNS FOR THE YEARS DECEMBER 31, 2010 AND SUBSEQUENT REMAIN SUBJECT TO EXAMINATION BY APPLICABLE TAXING AUTHORITIES.
PART XII, LINE 2D	ADJUSTMENT TO REFLECT PENSION FUNDING STATUS \$3,296,572

[illegible]

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

► Complete if the organization answered "Yes" to Form 990,
Part IV, line 14b, 15, or 16.
► Attach to Form 990. ► See separate instructions.
► Information about Schedule F (Form 990) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2013

Open to Public Inspection

Name of the organization
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC

Employer identification number
13-1739923

Part I General Information on Activities Outside the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 14b.

- 1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No
- 2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.
- 3 Activities per Region (The following Part I, line 3 table can be duplicated if additional space is needed)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in region	(d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for and investments in region
(1) EUROPE	0	0	GRANTS TO RECIPIENTS	IMPROVE AGRICULTURE	17,774
(2) SOUTH AMERICA	0	0	GRANTS TO RECIPIENTS	IMPROVE AGRICULTURE	119,545
(3)					
(4)					
(5)					
3a Sub-total	0	0			137,319
b Total from continuation sheets to Part I	0	0			0
c Totals (add lines 3a and 3b)	0	0			137,319

Part II

Grants and Other Assistance to Organizations or Entities Outside the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 15, for any recipient who received more than \$5,000. Part II can be duplicated if additional space is needed.

1	(a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)			EUROPE	COLLABORATIVE RESEARCH	17,774	WIRE TRANSFER	0		
(2)			SOUTH AMERICA	COLLABORATIVE RESEARCH	119,545	WIRE TRANSFER	0		
(3)									
(4)									

2

Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter ▶

2

3

Enter total number of other organizations or entities ▶

0

Part III

Grants and Other Assistance to Individuals Outside the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 16.
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of non-cash assistance	(g) Description of non-cash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

Part IV Foreign Forms

- 1

Was the organization a U S transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)*

☐ Yes

☒ No
- 2

Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to file Form 3520, Annual Return to Report Transactions with Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A)*

☐ Yes

☒ No
- 3

Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons with Respect to Certain Foreign Corporations. (see Instructions for Form 5471)*

☐ Yes

☒ No
- 4

Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund. (see Instructions for Form 8621)*

☐ Yes

☒ No
- 5

Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons with Respect to Certain Foreign Partnerships. (see Instructions for Form 8865)*

☐ Yes

☒ No
- 6

Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to file Form 5713, International Boycott Report (see Instructions for Form 5713).*

☐ Yes

☒ No

Part V

Supplemental Information
Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information (see instructions).

990 Schedule F, Supplemental Information

Return Reference	Explanation
SCHEDULE F, PART I, LINE 2	THE ORGANIZATION MONITORS EACH SUB-RECIPIENT OF A GRANT, BOTH DOMESTIC AND FOREIGN, WITH A YEARLY REVIEW OF AUDIT COMPLIANCE AND BUDGETS. EACH SUB-RECIPIENT IS REQUIRED TO REPORT FINANCIAL STATEMENTS, PERFORMANCE REPORTS, AUDIT REPORTS, AND TIMELY RESOLUTION OF AUDIT FINDINGS. SUPERVISORY REVIEWS ARE PERFORMED TO DETERMINE THE ADEQUACY OF SUB-RECIPIENT MONITORING.

Schedule I
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC

Grants and Other Assistance to Organizations,
Governments and Individuals in the United States

Complete if the organization answered "Yes," to Form 990, Part IV, line 21 or 22.
▶ Attach to Form 990

▶ Information about Schedule I (Form 990) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2013

Open to Public
Inspection

Employer identification number
13-1739923

Part I

General Information on Grants and Assistance

- 1

Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance?

☒ Yes ☐ No
- 2

Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States

Part II

Grants and Other Assistance to Governments and Organizations in the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
(1) COLORADO STATE UNIV 2002 CAMPUS DEL FORT COLLINS, CO 80523	84-6000545	501(C)(3)	81,061		FMV		COLLABORATIVE RESEARCH
(2) COLUMBIA UNIVERSTIY PO BOX 29789 NEW YORK, NY 10087	13-5598093	501(C)(3)	113,832		FMV		COLLABORATIVE RESEARCH
(3) CORNELL UNIVERSTIY PO BOX 22 ITHACA, NY 14851	15-0532082	501(C)(3)	235,421		FMV		COLLABORATIVE RESEARCH
(4) IOWA STATE UNIVERSTIY 3609 ADM SVC BLDG AMES, IA 50011	42-6004224	STATE OF IOWA	81,387		FMV		COLLABORATIVE RESEARCH
(5) UNIV OF ILLINOIS-URBANA-CHAMP PO BOX 4610 SPRINGFIELD, IL 62708	37-6000511	STATE OF IL	120,079		FMV		COLLABORATIVE RESEARCH
(6) UNIVERSITY OF MIAMI PO BOX 248106 CORAL GABLES, FL 33124	59-0624458	501(C)(3)	15,634		FMV		COLLABORATIVE RESEARCH
(7) UNIVERSITY OF OKLAHOMA 201 DAVID BOREN BLVD NORMAN, OK 73019	73-6017987	STATE OF OK	821,576		FMV		COLLABORATIVE RESEARCH
(8) USDA ARS 950 COLLEGE STATION RD ATHENS, GA 30605	72-0564834	FEDERAL	150,240		FMV		COLLABORATIVE RESEARCH

2

Enter total number of section 501(c)(3) and government organizations listed in the line 1 table

8

3

Enter total number of other organizations listed in the line 1 table

0

Part III

Grants and Other Assistance to Individuals in the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 22.
Part III can be duplicated if additional space is needed.

(a)Type of grant or assistance	(b)Number of recipients	(c)Amount of cash grant	(d)Amount of non-cash assistance	(e)Method of valuation (book, FMV, appraisal, other)	(f)Description of non-cash assistance

Part IV

Supplemental Information. Provide the information required in Part I, line 2, Part III, column (b), and any other additional information.

Return Reference	Explanation
SCHEDULE I, PART I, LINE 2	THE ORGANIZATION MONITORS EACH SUB-RECIPIENT OF A GRANT, BOTH DOMESTIC AND FOREIGN, WITH A YEARLY REVIEW OF AUDIT COMPLIANCE AND BUDGETS. EACH SUB-RECIPIENT IS REQUIRED TO REPORT FINANCIAL STATEMENTS, PERFORMANCE REPORTS, AUDIT REPORTS, AND TIMELY RESOLUTION OF AUDIT FINDINGS. SUPERVISORY REVIEWS ARE PERFORMED TO DETERMINE THE ADEQUACY OF SUB-RECIPIENT MONITORING.

Additional Data

Software ID:
Software Version:
EIN: 13-1739923
Name: BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC

Form 990,Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
COLORADO STATE UNIV 2002 CAMPUS DEL FORT COLLINS,CO 80523	84-6000545	501(C)(3)	81,061		FMV		COLLABORATIVE RESEARCH

Form 990, Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
COLUMBIA UNIVERSTIY PO BOX 29789 NEWYORK,NY 10087	13-5598093	501(C)(3)	113,832		FMV		COLLABORATIVE RESEARCH

Form 990,Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV , appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
CORNELL UNIVERSTIY PO BOX 22 ITHACA,NY 14851	15-0532082	501(C)(3)	235,421		FMV		COLLABORATIVE RESEARCH

Form 990, Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
IOWA STATE UNIVERSTIY 3609 ADM SVC BLDG AMES, IA 50011	42-6004224	STATE OF IOWA	81,387		FMV		COLLABORATIVE RESEARCH

Form 990, Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIV OF ILLINOIS-URBANA-CHAMP PO BOX 4610 SPRINGFIELD,IL 62708	37-6000511	STATE OF IL	120,079		FMV		COLLABORATIVE RESEARCH

Form 990, Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF MIAMI PO BOX 248106 CORAL GABLES, FL 33124	59-0624458	501(C)(3)	15,634		FMV		COLLABORATIVE RESEARCH

Form 990, Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF OKLAHOMA 201 DAVID BOREN BLVD NORMAN, OK 73019	73-6017987	STATE OF OK	821,576		FMV		COLLABORATIVE RESEARCH

Form 990, Schedule I, Part II, Grants and Other Assistance to Governments and Organizations in the United States

(a) Name and address of organization or government	(b) EIN	(c) IRC Code section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
USDA ARS 950 COLLEGE STATION RD ATHENS,GA 30605	72-0564834	FEDERAL	150,240		FMV		COLLABORATIVE RESEARCH

Schedule J
(Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 23.
▶ Attach to Form 990. ▶ See separate instructions.

▶ Information about Schedule J (Form 990) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2013

Open to Public Inspection

Name of the organization
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC

Employer identification number
13-1739923

Part I

Questions Regarding Compensation

	Yes	No
1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed in Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items ☒ First-class or charter travel ☐ Travel for companions ☐ Tax idemnification and gross-up payments ☐ Discretionary spending account ☐ Housing allowance or residence for personal use ☐ Payments for business use of personal residence ☐ Health or social club dues or initiation fees ☐ Personal services (e g , maid, chauffeur, chef)		
b If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain	1bYes	
2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked in line 1a?	2Yes	
3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director Check all that apply Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III ☒ Compensation committee ☐ Independent compensation consultant ☐ Form 990 of other organizations ☒ Written employment contract ☒ Compensation survey or study ☒ Approval by the board or compensation committee		
4 During the year, did any person listed in Form 990, Part VII, Section A, line 1a with respect to the filing organization or a related organization		
a Receive a severance payment or change-of-control payment?	4a	No
b Participate in, or receive payment from, a supplemental nonqualified retirement plan?	4b	No
c Participate in, or receive payment from, an equity-based compensation arrangement? If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III	4c	No
Only 501(c)(3) and 501(c)(4) organizations only must complete lines 5-9.		
5 For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of		
a The organization?	5a	No
b Any related organization? If "Yes," to line 5a or 5b, describe in Part III	5b	No
6 For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of		
a The organization?	6a	No
b Any related organization? If "Yes," to line 6a or 6b, describe in Part III	6b	No
7 For persons listed in Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III	7	No
8 Were any amounts reported in Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53 4958-4(a)(3)? If "Yes," describe in Part III	8	No
9 If "Yes" to line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53 4958-6(c)?	9	

Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported in Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii). Do not list any individuals that are not listed on Form 990, Part VII.

Note. The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation reported as deferred in prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
(1) DAVID STERN PRESIDENT	(i)	327,378	0	516	54,100	23,459	405,453	0
	(ii)	0	0	0	0	0	0	0
(2) DR ERIC RICHARDS PROFESSOR	(i)	231,385	0	276	19,049	12,048	262,758	0
	(ii)	0	0	0	0	0	0	0
(3) DR DANIEL KLESSIG PROFESSOR	(i)	223,454	0	792	31,425	8,253	263,924	0
	(ii)	0	0	0	0	0	0	0
(4) DR MARIA HARRISON SCIENTIST	(i)	167,236	0	276	19,516	5,404	192,432	0
	(ii)	0	0	0	0	0	0	0

Part III **Supplemental Information**

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II
Also complete this part for any additional information

Return Reference	Explanation
PART I, LINE 1A	ACCORDING TO THE PRESIDENT'S CONTRACT WITH THE ORGANIZATION, FIRST-CLASS TRAVEL IS ALLOWED AND IS REIMBURSED AS A NON-TAXABLE BENEFIT

Schedule L
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Transactions with Interested Persons
▶ Complete if the organization answered "Yes" on Form 990, Part IV, lines 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.
▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.
▶ Information about Schedule L (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047
2013
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Employer identification number
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Part I Excess Benefit Transactions (section 501(c)(3) and section 501(c)(4) organizations only).

Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b

1	(a) Name of disqualified person	(b) Relationship between disqualified person and organization	(c) Description of transaction	(d) Corrected?	
				Yes	No

2 Enter the amount of tax incurred by organization managers or disqualified persons during the year under section 4958 ▶ \$

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization ▶ \$

Part II Loans to and/or From Interested Persons.

Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a, or Form 990, Part IV, line 26, or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22

(a) Name of interested person	(b) Relationship with organization	(c) Purpose of loan	(d) Loan to or from the organization?		(e) Original principal amount	(f) Balance due	(g) In default?		(h) Approved by board or committee?	(i) Written agreement?	
			To	From			Yes	No		Yes	No
Total ▶ \$											

Part III Grants or Assistance Benefitting Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of assistance	(d) Type of assistance	(e) Purpose of assistance

Part IV Business Transactions Involving Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No
(1) RALPH WF HARDY	FORMER DIRECTOR	44,167	INDEPENDENT CONTRACTOR		No

Part V Supplemental Information

Provide additional information for responses to questions on Schedule L (see instructions)

Return Reference	Explanation
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SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.
▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at
www.irs.gov/form990.

OMB No 1545-0047

2013

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Inspection

Name of the organization
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INC

Employer identification number
13-1739923

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION A, LINE 2	THE BOARD CHAIR, MR CORNELL, HAD A BUSINESS RELATIONSHIP WITH MR STERN, BTI'S PRESIDENT
FORM 990, PART VI, SECTION A, LINE 6	THE BOYCE THOMPSON INSTITUTE, INC IS A NY S MEMBERSHIP CORPORATION
FORM 990, PART VI, SECTION A, LINE 7A	MEMBERS ELECT DIRECTORS
FORM 990, PART VI, SECTION B, LINE 11	BOARD MEMBERS WERE PROVIDED AN ELECTRONIC DRAFT OF THIS RETURN PRIOR TO FILING INPUT WAS PROVIDED TO THE VP FOR FINANCE
FORM 990, PART VI, SECTION B, LINE 12C	ANNUAL CERTIFICATIONS ARE PROVIDED BY DIRECTORS AND OFFICERS TO THE CORPORATE SECRETARY AND DIRECTOR OF HUMAN RESOURCES CONFLICTS ARE DISCLOSED TO AND REVIEWED BY THE AUDIT COMMITTEE AND BOARD
FORM 990, PART VI, SECTION B, LINE 15	THE BOARD COMPENSATION COMMITTEE ESTABLISHES THE SALARIES OF THE PRESIDENT AND THE VICE PRESIDENT, ANNUALLY COMPARABLE SALARIES AND COST OF LIVING DATA IS PROVIDED BY THE DIRECTOR OF HUMAN RESOURCES MEETING MINUTES, RECOMMENDATIONS AND SUPPORTING DATA ARE RETAINED BY THE COPORATE SECRETARY SALARY REVIEWS ARE PERFORMED ANNUALLY, IN NOVEMBER THE COMPENSATION COMMITTEE MET IN NOVEMBER 2012 TO REVIEW AND SET THE 2013 COMPENSATION FOR THE PRESIDENT, VICE PRESIDENTS, AND VP FOR FINANCE
FORM 990, PART VI, SECTION C, LINE 18	DOCUMENTS ARE AVAILABLE ON REQUEST TO THE CORPORATE SECRETARY
FORM 990, PART VI, SECTION C, LINE 19	DOCUMENTS ARE AVAILABLE ON REQUEST TO THE CORPORATE SECRETARY
FORM 990, PART XI, LINE 9	ADJUSTMENT TO REFLECT PENSION AND POSTRETIREMENT BENEFITS PLAN FUNDING 3,296,572
FORM 990, PART XII, LINE 2C	THE BTI AUDIT COMMITTEE IS RESPONSIBLE FOR OVERSIGHT OF THE AUDIT THIS PROCESS HAS NOT CHANGED FROM PRIOR YEARS