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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 black lung benefit trust or private foundation)	OMB No 1545-0047 2012 Open to Public Inspection
	The organization may have to use a copy of this return to satisfy state reporting requirements	

A For the 2012 calendar year, or tax year beginning 10-01-2012 , 2012, and ending 09-30-2013

B Check if applicable ☐ Address change ☐ Name change ☐ Initial return ☐ Terminated ☐ Amended return ☐ Application pending	C Name of organization NORTH CENTRAL SOYBEAN RESEARCH PROGRAM		D Employer identification number 42-1394799
	Doing Business As		
	Number and street (or P O box if mail is not delivered to street address) 1255 Prairie Trail Parkway	Room/suite	E Telephone number (515) 251-8640
	City or town, state or country, and ZIP + 4 Ankeny, IA 50023		G Gross receipts \$ 2,991,954
	F Name and address of principal officer		H(a) Is this a group return for affiliates? ☐ Yes ☒ No H(b) Are all affiliates included? ☐ Yes ☒ No If "No," attach a list (see instructions) H(c) Group exemption number ▶
I Tax-exempt status ☒ 501(c)(3) ☐ 501(c) () ▶ (Insert no) ☐ 4947(a)(1) or ☐ 527		J Website: ▶ N/A	

K Form of organization ☒ Corporation ☐ Trust ☐ Association ☐ Other ☐	L Year of formation 1992	M State of legal domicile IA
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Part I Summary

Activities & Governance	1 Briefly describe the organization's mission or most significant activities COORDINATE SOYBEAN RESEARCH		
	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	11
	4 Number of independent voting members of the governing body (Part VI, line 1b)	4	11
	5 Total number of individuals employed in calendar year 2012 (Part V, line 2a)	5	0
	6 Total number of volunteers (estimate if necessary)	6	12
	7a Total unrelated business revenue from Part VIII, column (C), line 12	7a	0
7b Net unrelated business taxable income from Form 990-T, line 34	7b		
Revenue	8 Contributions and grants (Part VIII, line 1h)	Prior Year 3,453,345	Current Year 2,989,502
	9 Program service revenue (Part VIII, line 2g)		0
	10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)	339	2,452
	11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)		0
	12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	3,453,684	2,991,954
	Expenses	13 Grants and similar amounts paid (Part IX, column (A), lines 1–3)	
14 Benefits paid to or for members (Part IX, column (A), line 4)			0
15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)			0
16a Professional fundraising fees (Part IX, column (A), line 11e)			0
b Total fundraising expenses (Part IX, column (D), line 25) ☐ 0			
17 Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)		2,959,508	2,941,976
18 Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)		2,959,508	2,941,976
19 Revenue less expenses Subtract line 18 from line 12		494,176	49,978
Net Assets or Fund Balances	Beginning of Current Year		End of Year
	20 Total assets (Part X, line 16)	3,158,091	2,755,586
	21 Total liabilities (Part X, line 26)	2,327,232	1,874,749
	22 Net assets or fund balances Subtract line 21 from line 20	830,859	880,837

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	*****			2014-04-01	
	Signature of officer			Date	
	Kirk Leeds Executive Director Type or print name and title				
Paid Preparer Use Only	Prnt/Type preparer's name Michael F Schnoes		Preparer's signature		Date
	Firm's name ▶ SCHNOES & COMPANY			Check ☐ if self-employed	PTIN P00324972
	Firm's address ▶ 520 Walnut Street WAUKEE, IA 502639518			Phone no (515) 987-9598	

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 to any question in this Part III

1

Briefly describe the organization’s mission

COORDINATE SOYBEAN RESEARCH

2

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

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?

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 \$ 2,821,138 including grants of \$) (Revenue \$)

SEE ATTACHED STATEMENT OF PROGRAM SERVICES

4b

(Code) (Expenses \$ including grants of \$) (Revenue \$)

4c

(Code) (Expenses \$ including grants of \$) (Revenue \$)

4d

Other program services (Describe in Schedule O)

(Expenses \$ including grants of \$) (Revenue \$)

4e

Total program service expenses 2,821,138

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)? <i>If "Yes," complete Schedule A.</i> 	Yes	
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> (see instructions)? 	Yes	
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I.</i>		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? <i>If "Yes," complete Schedule C, Part II.</i>		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? <i>If "Yes," complete Schedule C, Part III.</i>		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? <i>If "Yes," complete Schedule D, Part I.</i>		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? <i>If "Yes," complete Schedule D, Part II.</i>		No
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III.</i>		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? <i>If "Yes," complete Schedule D, Part IV.</i>		No
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V.</i>		No
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? <i>If "Yes," complete Schedule D, Part VI.</i>		No
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? <i>If "Yes," complete Schedule D, Part VII.</i>		No
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? <i>If "Yes," complete Schedule D, Part VIII.</i>		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? <i>If "Yes," complete Schedule D, Part IX.</i>		No
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X.</i>		No
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)? <i>If "Yes," complete Schedule D, Part X.</i>		No
12a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII.</i>		No
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional.</i>		No
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E.</i>		No
14a Did the organization maintain an office, employees, or agents outside of the United States?		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? <i>If "Yes," complete Schedule F, Parts I and IV.</i>		No
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or assistance to any organization or entity located outside the United States? <i>If "Yes," complete Schedule F, Parts II and IV.</i>		No
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or assistance to individuals located outside the United States? <i>If "Yes," complete Schedule F, Parts III and IV.</i>		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? <i>If "Yes," complete Schedule G, Part I (see instructions).</i>		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? <i>If "Yes," complete Schedule G, Part II.</i>		No
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III.</i>		No
20a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H.</i>		No
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		

Part IV

Checklist of Required Schedules (continued)

21	Did the organization report more than \$5,000 of grants and other assistance to any government or organization in the United States on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i>	21		No
22	Did the organization report more than \$5,000 of grants and 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		No
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 25</i>	24a		No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		No
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		No
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		No
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	Was a loan to or by a current or former officer, director, trustee, key employee, highest compensated employee, or disqualified person outstanding as of the end of the organization's tax year? <i>If "Yes," 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		No
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		No
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 to any question in this Part V

		Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable.		
1b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable.		
1c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		No
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.		
2b	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).		No
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?		No
3b	If "Yes," has it filed a Form 990-T for this year? If "No," provide an explanation in Schedule O.		No
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)?		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?		No
5b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		No
5c	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?		
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?		No
6b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
7	Organizations that may receive deductible contributions under section 170(c).		
7a	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?		No
7b	If "Yes," did the organization notify the donor of the value of the goods or services provided?		
7c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		No
7d	If "Yes," indicate the number of Forms 8282 filed during the year.		
7e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		No
7f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		No
7g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		No
7h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		No
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?		No
9	Sponsoring organizations maintaining donor advised funds.		
9a	Did the organization make any taxable distributions under section 4966?		No
9b	Did the organization make a distribution to a donor, donor advisor, or related person?		No
10	Section 501(c)(7) organizations. Enter:		
10a	Initiation fees and capital contributions included on Part VIII, line 12.		
10b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities.		
11	Section 501(c)(12) organizations. Enter:		
11a	Gross income from members or shareholders.		
11b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them).		
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?		No
12b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year.		
13	Section 501(c)(29) qualified nonprofit health insurance issuers.		
13a	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.		No
13b	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.		
13c	Enter the amount of reserves on hand.		
14a	Did the organization receive any payments for indoor tanning services during the tax year?		No
14b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.		

Part VI

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 to any question in this Part VI

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	11	
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			
b	Enter the number of voting members included in line 1a, above, who are independent	11	
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	No
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	No
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	No
b	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		
a	The governing body?	8a	Yes
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
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
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes
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?		
a	The organization's CEO, Executive Director, or top management official	15a	No
b	Other officers or key employees of the organization	15b	No
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
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
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 NORTH CENTRAL SOYBEAN RESEARCH 1255 SW Prairie Trail Parkway Ankeny, IA (515) 334-1060

Part VII

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

Check if Schedule O contains a response to any question 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) MIKE CERNY Secretary/Treas	0 00 0 00	X						0	0	0
(2) Tyler Speich Director	0 00 0 00	X						0	0	0
(3) Jerod Hooker Director	0 00 0 00	X						0	0	0
(4) ED CAGNEY Director	0 00 0 00	X		X				0	0	0
(5) TREVOR GLICK President	0 00 0 00	X		X				0	0	0
(6) Scott Houck Director	0 00 0 00	X						0	0	0
(7) GENE STOEL Vice President	0 00 0 00	X		X				0	0	0
(8) Steve Reinhard Director	0 00 0 00	X						0	0	0
(9) CLIFF MULDER Director	0 00 0 00	X						0	0	0
(10) RON OHLDE Director	0 00 0 00	X						0	0	0
(11) Craig Converse Director	0 00 0 00	X						0	0	0

Part VII

1b	Sub-Total	▼
c	Total from continuation sheets to Part VII, Section A	▼
d	Total (add lines 1b and 1c)	▼

0

3 Did the organization list any **former** officer, director or trustee, key employee, or highest compensated employee on line 1a? *If "Yes," complete Schedule J for such individual*

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? *If "Yes," complete Schedule J for such individual*

5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? *If "Yes," complete Schedule J for such person*

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

\$100,000 of compensation from the organization ➡ 0

Part VIII

Statement of Revenue

Check if Schedule O contains a response to any question 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, 513, or 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	2,777,001		
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	212,501		
	g	Noncash contributions included in lines 1a-1f \$				
	h	Total. Add lines 1a-1f		2,989,502		
Program Service Revenue	2a		Business Code			
	b					
	c					
	d					
	e					
	f	All other program service revenue				
	g	Total. Add lines 2a-2f		0		
	Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)	2,452		
4		Income from investment of tax-exempt bond proceeds . .	0			
5		Royalties	0			
6a		Gross rents	(i) Real	(ii) Personal		
b		Less rental expenses				
c		Rental income or (loss)				
d		Net rental income or (loss)			0	
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)			0	
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 . .			0	
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 . .			0	
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 . .			0	
	Miscellaneous Revenue	Business Code				
11a						
b						
c						
d	All other revenue					
e	Total. Add lines 11a-11d		0			
12	Total revenue. See Instructions		2,991,954			2,452

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 to any question 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.	0			
2	Grants and other assistance to individuals in the United States. See Part IV, line 22.	0			
3	Grants and other assistance to governments, organizations, and individuals outside the United States. See Part IV, lines 15 and 16.	0			
4	Benefits paid to or for members.	0			
5	Compensation of current officers, directors, trustees, and key employees.	0			
6	Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B).	0			
7	Other salaries and wages.	0			
8	Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions).	0			
9	Other employee benefits.	0			
10	Payroll taxes.	0			
11	Fees for services (non-employees):				
a	Management.	0			
b	Legal.	0			
c	Accounting.	0			
d	Lobbying.	0			
e	Professional fundraising services. See Part IV, line 17.	0			
f	Investment management fees.	0			
g	Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O).	0			
12	Advertising and promotion.	0			
13	Office expenses.	0			
14	Information technology.	0			
15	Royalties.	0			
16	Occupancy.	0			
17	Travel.	0			
18	Payments of travel or entertainment expenses for any federal, state, or local public officials.	0			
19	Conferences, conventions, and meetings.	0			
20	Interest.	0			
21	Payments to affiliates.	0			
22	Depreciation, depletion, and amortization.	0			
23	Insurance.	0			
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	ADMINISTRATIVE	120,838		120,838	
b	RESEARCH ACTIVITIES	2,821,138	2,821,138		
c					
d					
e	All other expenses	0			
25	Total functional expenses. Add lines 1 through 24e.	2,941,976	2,821,138	120,838	0
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 to any question in this Part X

					(A)		(B)
					Beginning of year		End of year
Assets	1	Cash—non-interest-bearing			241,097	1	1,225,897
	2	Savings and temporary cash investments			1,798,854	2	599,994
	3	Pledges and grants receivable, net				3	0
	4	Accounts receivable, net			1,118,140	4	929,695
	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	0
	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	0
	7	Notes and loans receivable, net				7	0
	8	Inventories for sale or use				8	0
	9	Prepaid expenses and deferred charges				9	0
	10a	Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D	10a				
	b	Less accumulated depreciation	10b			10c	0
	11	Investments—publicly traded securities				11	0
	12	Investments—other securities See Part IV, line 11				12	0
	13	Investments—program-related See Part IV, line 11				13	0
	14	Intangible assets				14	0
	15	Other assets See Part IV, line 11				15	0
	16	Total assets. Add lines 1 through 15 (must equal line 34)			3,158,091	16	2,755,586
Liabilities	17	Accounts payable and accrued expenses			2,327,232	17	1,874,749
	18	Grants payable				18	
	19	Deferred revenue				19	
	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				25	
	26	Total liabilities. Add lines 17 through 25			2,327,232	26	1,874,749
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			830,859	27	880,837
	28	Temporarily restricted net assets				28	
	29	Permanently restricted net assets				29	
	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			830,859	33	880,837
	34	Total liabilities and net assets/fund balances			3,158,091	34	2,755,586

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response to any question in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	2,991,954
2	Total expenses (must equal Part IX, column (A), line 25)	2	2,941,976
3	Revenue less expenses Subtract line 2 from line 1	3	49,978
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	830,859
5	Net unrealized gains (losses) on investments	5	
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	
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	880,837

Part XII Financial Statements and Reporting

Check if Schedule O contains a response to any question 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		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	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	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?		No
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		

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.

OMB No 1545-0047

2012

Open to Public Inspection

Name of the organization NORTH CENTRAL SOYBEAN RESEARCH PROGRAM	Employer identification number 42-1394799
--	--

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 33¹/₃% 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 33¹/₃% 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 | | | | | | | | | |
- For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990EZ.

Cat No 11285F

Schedule A (Form 990 or 990-EZ) 2012

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) 2008	(b) 2009	(c) 2010	(d) 2011	(e) 2012	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.")	2,588,718	2,948,525	3,704,758	3,453,345	2,989,502	15,684,848
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						0
3 The value of services or facilities furnished by a governmental unit to the organization without charge						0
4 Total. Add lines 1 through 3	2,588,718	2,948,525	3,704,758	3,453,345	2,989,502	15,684,848
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)						0
6 Public support. Subtract line 5 from line 4						15,684,848

Section B. Total Support						
Calendar year (or fiscal year beginning in) ▶	(a) 2008	(b) 2009	(c) 2010	(d) 2011	(e) 2012	(f) Total
7 Amounts from line 4	2,588,718	2,948,525	3,704,758	3,453,345	2,989,502	15,684,848
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	3,330	1,921	2,032	339	2,452	10,074
9 Net income from unrelated business activities, whether or not the business is regularly carried on						0
10 Other income Do not include gain or loss from the sale of capital assets (Explain in Part IV.)						0
11 Total support (Add lines 7 through 10)						15,694,922
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 2012 (line 6, column (f) divided by line 11, column (f))	14 99 940 %
15	Public support percentage for 2011 Schedule A, Part II, line 14	15 99 780 %
16a	33 1/3% support test—2012. 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—2011. 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—2012. 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—2011. 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) 2008	(b) 2009	(c) 2010	(d) 2011	(e) 2012	(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) 2008	(b) 2009	(c) 2010	(d) 2011	(e) 2012	(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 2012 (line 8, column (f) divided by line 13, column (f))	15	
16 Public support percentage from 2011 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage		
17 Investment income percentage for 2012 (line 10c, column (f) divided by line 13, column (f))	17	
18 Investment income percentage from 2011 Schedule A, Part III, line 17	18	
19a 33 1/3% support tests—2012. 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—2011. 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.** Complete this part to 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

Explanation

2012

Open to Public
Inspection

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.

Name of the organization

NORTH CENTRAL SOYBEAN RESEARCH PROGRAM

Employer identification number

42-1394799

Identifier	Return Reference	Explanation
	Program Services, Projects 5 through 10	(5) Enhancing disease resistance in soybean through the tools of biotechnology, The goal of this program is to evaluate transgenic approaches to provide resistance to viral attack, and aphid predation. The resultant genetic material from this program can then be incorporated into integrated pest management practices as a means to generate stable resistance under field conditions. Project objectives are designed to enhance genetic resistance towards the three main virus agents in the north central US, namely bean pod mottle virus (BPMV), alfalfa mosaic virus (AMV) and soybean mosaic virus (SMV) and test both interfering RNAs and microRNAs directed towards critical genes of aphids as a means to combat insect predation. To this end the specific objectives are to Conduct field trials in Ohio and Nebraska with transgenic soybean events identified with resistance towards the three major viruses that infect soybeans in the north central US, BPMV, SMV and AMV, and Design and test strategies for expression of interfering RNA molecules in soybean that target critical genes of aphids as a means to combat predation of the insect. (6) Evaluation and development of a biological control product to control SDS and white mold, Sudden death syndrome (SDS) and Sclerotinia white mold are two of the most important fungi diseases of soybean. Managing these diseases is critical to sustainable soybean production in the North Central States. Biocontrol agents have promise of reducing the fungi causing SDS and/or white mold. The concept is to apply a biocontrol to the soil which reproduces and kill the fungi that are responsible for the disease. The projects specific objectives are to Conduct multi-state field evaluation for fungal biological control agents that are found effective in reducing soybean sudden death syndrome and white mold, Investigate a wide-host-range bacterial bio-control agent that is effective in killing SDS and white mold pathogens for management of SDS and white mold in Illinois, Determine if biocontrol agents applied to crop residues of corn, alfalfa, or soybean can reduce inoculum production, infection and disease caused by <i>F. virguliforme</i> and Sclerotinia, and Study how crop rotation affects the effectiveness of biocontrol agents/biofungicides. (7) Identification and biology of seedling pathogens of soybean, Soybean pathogens have been shown to cause seedling diseases which result in poor stands, weak plants and reduced seed yields. In the U.S., seedling diseases are reducing soybean yield by of 829,000 tons, annually. Researchers agree that information is lacking about the biology of the individual pathogens and the factors involved in disease development in the field environment. This continuing project is addressing these production constraints by identifying the causal agents of seedling disease, developing new tools for rapid diagnosis, developing new protocols for research and for germplasm screening assays, and developing management recommendations for producers and the industry. (8) Improving awareness and management of Charcoal rot in soybean in the North Central Region, Charcoal rot is caused by the soilborne fungus <i>Macrophomina phaseolina</i>, which has a very broad geographical distribution and can infect over 500 crop and weed species. Until more recently, <i>M. phaseolina</i> was considered a southern soybean pathogen and an infrequent pathogen of soybean in the North Central production region. The research presented here provides the necessary resources for presenting stakeholders in the North Central region with the most up-to-date information for understanding and managing charcoal rot in the North Central region. Most research field studies related to the companion USB-funded project are nearing completion and harvest and include Indiana, Wisconsin, Michigan, and Ohio. This project was designed to augment an existing United Soybean Board funded project focusing on understanding resistance in soybean cultivars grown in the North Central region. The project improves the stakeholder awareness and knowledge of charcoal rot of soybean in the North Central region and begins to demonstrate suitable best management practices (BMPs) for charcoal rot. The specific research objectives are as follows: Establish a field demonstration plot in Iowa to complement those already established in Indiana, Ohio, Wisconsin, and Michigan and funded by the United Soybean Board. These plots will increase grower awareness of charcoal rot of soybean and showcase some potential best management practices (BMPs) for the disease in the North Central Region, and Develop new and up-to-date outreach materials including a feature article and video clips pertaining to charcoal rot of soybean and showcasing some potential best management practices (BMPs) for the disease in the North Central Region. (9) Increasing profits through genetic resistance to SDS, Sudden death syndrome (SDS) can cause serious soybean yield losses for growers in the north

Identifier	Return Reference	Explanation
	Program Services, Projects 5 through 10	central US Genetic resistance is the most economical way to control SDS in growers fields the development of resistant varieties is critical for controlling the disease Knowing the locations of SDS resistance genes and how resistance is controlled will help breeders develop new high yielding, SDS resistant cultivars The objectives of this proposal include Map the locations on chromosomes of genes that confer resistance to SDS and develop molecular markers linked to resistance genes, Confirm the effects of mapped genes so they can be bred into elite soybean breeding lines as part of the breeding proposal, and Identify genes related to SDS resistance by gene expression profiling soybean roots and leaves (10) Iron deficient chlorosis Getting to the root of the problem, The purpose this continuing project is to address iron deficiency chlorosis in the upper Midwest using a combination of molecular genetics and gene cloning and manipulation This is a coordinated project that combines the results of two distinct, but complementary approaches to solving this significant production constraint This will be accomplished by completing the following objectives Utilize genotype-by-sequencing and genomic selection procedures to broaden the number of markers associated with IDC tolerance in soybean and test those in breeding programs, Further refine the region associated with IDC tolerance on chromosome 3 to better understand the mechanisms of IDC tolerance, and Evaluate transgenic plants containing targeted genes involved in iron metabolism to determine their role in IDC tolerance

Identifier	Return Reference	Explanation
	Program Services, Projects 11 through 15	(11) Soybean Aphid Management, Resistance, and Outreach in the North Central Region, The soybean aphid (Aphis glycines) is the most damaging insect pest to soybean production in the North Central region, capable of causing yield loss of 40% or more if not properly managed. Though there are well-researched economic thresholds and many available insecticides, producers face an increasing variety of choices for soybean aphid management. These include aphid-resistant varieties and new chemicals (notably, insecticidal seed treatments). Producers must also take into account factors such as environmental and crop variables, or the potential presence of new virulent aphid biotypes. These management factors and choices have potentially large financial implications, and yet research-based advice on many of them are still largely lacking. This project combines the multidisciplinary expertise of 28 scientists in 12 states, including entomologists, geneticists, plant breeders, agricultural economists, and Extension specialists. This multidisciplinary research proposal is organized into five large objectives, each with associated sub-objectives. Integrated pest management, Breeding and genetic resistance to soybean aphid, Soybean aphid biotypes, Biological control, and Extension and outreach. (12) The use of VIGS technology to decrease yield-limiting stress in soybeans, The projects goal is to understand the genetic pathways involved in biotic and abiotic stress resistance to enable the development of soybean germplasm with new defensive features that will lead to the breeding of soybean varieties that respond less to the variation of growing conditions. The VIGS technology uses BPMV (Bean pod mottle virus) to carry pieces of soybean gene sequences into the plant to turn off (silence) requisite target genes. In this technology, a piece of a soybean gene is placed in the BPMV virus vector and inserted in the soybean genome. Thus, VIGS technology allows for rapid screening and assessing the function of the genes being tested. The NCSRP portion of this project is the NCSRP contribution to a multi-state, multi-investigator project funded by USB, ISA, and NSF. The specific objectives are to: Optimize BPMV-DNA-based vector for developing a virus-based high-throughput gene silencing system, Use high-throughput gene silencing to identify soybean genes involved in resistance to biotic and abiotic stress, Select appropriate genes for development of soybean germplasm with new defensive features, and Conduct bi-annual meetings of the collaborators to review all data, discuss difficulties, suggest alternatives, coordinate studies and plan further initiatives. (13) Mapping genes referring resistance to white mold, This research builds on two decades of research on white mold of soybean. Research has shown that there are genetic differences in resistance to this disease in soybean, however, breeding progress has been slow because it is difficult to obtain good white mold symptoms in the field on a routine basis and when the disease is present, the symptoms are inconsistent. This difficulty in screening has resulted in many of the soybean varieties marketed today being susceptible to white mold. The research in this proposal is focused on identifying locations of genes that confer resistance to white mold. Knowing the locations of these resistance genes can make breeding for white mold resistance more efficient, resulting in improved white mold resistance in varieties available to soybean growers. (14) Understanding cover crop use in soybean production systems, The goal of this research project is to increase the Midwest soybean grower understanding of the use of cover crops in their production systems. Cover crops can provide benefits to soil health and fertility, pest and disease suppression, nutrient management and improved soybean yields and profitability. (15) Plant Health Initiative, The goal of this project is to increase grower awareness of solutions for disease and insect problems by transferring knowledge gained from checkoff-funded activities to soybean producers through the electronic and print media. The project will continue to position PHI as an authoritative resource of plant health information. The specific objectives of the project are: Provide science-based information to soybean producers that can be used to reduce soybean yield loss from disease and insects, Sponsor conferences and workshops that highlight soybean disease research topics, Develop educational materials that will help soybean growers better manage soybean diseases and pests, and Facilitate and coordinate research and information transfer between industry, university, media and Midwest soybean growers.

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	Program Services, Projects 1 through 4	(1)Breeding to improve resistance to SDS in soybean as a means to protect yield Delivering resistant varieties and lines, The foundational management strategy for sudden death syndrome (SDS) is using resistant cultivars However, in years such as 2010 when environmental conditions are favorable for disease development, it is evident that resistance alone does not provide adequate control or reduce farmer risk sufficiently Also, SDS continues to move into new areas Thus, the main goal of this project is to investigate management options that will help ensure resistant cultivars will be as effective as possible thereby reducing risk as well as providing farmers with maximum economic return on their investment even in unusually conducive SDS conditions Objectives Determine the most effective diagnostic protocol for quantifying Fusarium virguliforme on roots and in soil Evaluate if soybean root health can be improved to reduce SDS or be used as an indicator of SDS risk Determine how shifts in soybean production practices affect the risk of SDS development Communicate research results with farmers, agribusinesses and other soybean stakeholders (2) Developing an integrated management and communication plan for soybean SDS, The primary management strategy for sudden death syndrome (SDS) is using resistant cultivars However, in years such as 2010 when environmental conditions are favorable for disease development, it is evident that resistance alone does not provide adequate control or reduce farmer risk sufficiently In addition, SDS continues to move into new areas Thus, the main goal of this project is to investigate management options that will help ensure resistant cultivars will be as effective as possible thereby reducing risk as well as providing farmers with maximum economic return on their investment even in unusually conducive SDS conditions The projects specific objectives are to Determine the most effective diagnostic protocol for quantifying Fusarium virguliforme on roots and in soil,2 Evaluate if soybean root health can be improved to reduce SDS or be used as an indicator of SDS risk,Determine how shifts in soybean production practices affect the risk of SDS development, andCommunicate research results with farmers, agribusinesses and other soybean stakeholders (3)Disease Study Group Focus on new and emerging soybean diseases, The disease soybean vein necrosis virus (SVNV) was identified as a key disease for which farmers and agribusiness personnel need additional Extension information SVNV was widely distributed across the North Central Region in 2012 and 2013 There is little Extension information currently available for stakeholder use on this virus disease It is critical to provide stakeholders with factual information to prevent unwarranted management practices and improve awareness of the disease The objectives of the project are to Provide information on SVNV at multiple levels of Extension interface (print, web, video, etc) to reach diverse groups of stakeholders,Create a platform to host and brand Extension material developed in conjunction with the North Central Soybean Research Program to facilitate updates and allow users to identify trusted sources of material through this branding partnership, andProvide current research summaries on emerging diseases to direct and coordinate future research priorities thereby minimizing duplication, maximizing resources and increasing response time (4) Engineered resistance to soybean cyst nematode via induced gene silencing (RNAi), The primary goal of this research project is to establish a new set of biotech traits that have durable resistance to soybean cyst nematode (SCN) Turning off genes by a process known as RNA interference (RNAi) has tremendous potential as a new strategy to increase nematode resistance Past research with other nematode species has demonstrated the scientific merit of the technique This project will investigate the opportunities to insert target gene sequences in the SCN that will provide durable genetic materials that will be lethal to SCN populations The specific objectives of this project are to Engineer stable transgenic soybean plants with traits that can silence specific nematode genes,Evaluate transgenic lines with SCN bioassays to confirm the effectiveness of the level of SCN resistance, and Examine the durability of the transgenic traits on single and diverse populations of SCN

Identifier	Return Reference	Explanation
Form 990, Part VI, Line 19	Form 990, Part VI, Line 19 Other Organization Documents Publicly Available	Governing documents, conflict of interest policy and financial statements are available to the public upon request

Identifier	Return Reference	Explanation
Form 990, Part VI, Line 12c	Form 990, Part VI, Line 12c Explanation of Monitoring and Enforcement of Conflicts	ANNUALLY THE BOARD IS REQUIRED TO DISCLOSE CONFLICTING INTERESTS BOARD MEMBERS ARE REQUIRED TO RECUSE THEMSELVES FROM ANY VOTE IF THERE IS A CONFLICT

Identifier	Return Reference	Explanation
Form 990, Part VI, Line 11b	Form 990, Part VI, Line 11b Form 990 Review Process	PRESENTED TO THE BOARD AT THE MEETING HELD ON DECEMBER 4, 2013