Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2012

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A This return/report is for:
- [ ] a multiemployer plan;
- [ ] a multiple-employer plan; or
- [X] a single-employer plan;
- [ ] a DFE (specify) ____

B This return/report is:
- [ ] the first return/report;
- [ ] the final return/report;
- [ ] an amended return/report;
- [ ] a short plan year return/report (less than 12 months).

C If the plan is a collectively-bargained plan, check here. . . . . ▶ [ ]

D Check box if filing under:
- [X] Form 5558;
- [ ] automatic extension;
- [ ] the DFVC program;
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
PLANT SCIENCES, INC. 401(K) PROFIT SHARING PLAN

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 03/01/1985

2a Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan)

PLANT SCIENCES, INC.

342 GREEN VALLEY ROAD
WATSONVILLE, CA 95076

2b Employer Identification Number (EIN)
77-0057997

2c Sponsor's telephone number
831-728-7771

2d Business code (see instructions)
115110

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/07/2013	DANIEL S. NELSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/07/2013	DANIEL S. NELSON
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

Preparer's name (including firm name, if applicable) and address; include room or suite number. (optional)

Preparer's telephone number (optional)

3a Plan administrator's name and address [X] Same as Plan Sponsor Name [ ] Same as Plan Sponsor Address

3b Administrator's EIN

3c Administrator's telephone number

4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report:

a Sponsor's name

4b EIN

4c PN

5	Total number of participants at the beginning of the plan year	**5**	293
6	Number of participants as of the end of the plan year (welfare plans complete only lines **6a, 6b, 6c,** and **6d**).		
a	Active participants	**6a**	151
b	Retired or separated participants receiving benefits	**6b**	0
c	Other retired or separated participants entitled to future benefits	**6c**	67
d	Subtotal. Add lines **6a**, **6b**, and **6c**	**6d**	218
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits	**6e**	0
f	Total. Add lines **6d** and **6e**	**6f**	218
g	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	187
h	Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	0
7	Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
2A 2E 2F 2G 2J 2T 3D

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)

- **(1)** [ ] Insurance
- **(2)** [ ] Code section 412(e)(3) insurance contracts
- **(3)** [X] Trust
- **(4)** [ ] General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

- **(1)** [ ] Insurance
- **(2)** [ ] Code section 412(e)(3) insurance contracts
- **(3)** [X] Trust
- **(4)** [ ] General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- **(1)** [X] **R** (Retirement Plan Information)
- **(2)** [ ] **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- **(3)** [ ] **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- **(1)** [X] **H** (Financial Information)
- **(2)** [ ] **I** (Financial Information – Small Plan)
- **(3)** [ ] ___ **A** (Insurance Information)
- **(4)** [X] **C** (Service Provider Information)
- **(5)** [ ] **D** (DFE/Participating Plan Information)
- **(6)** [ ] **G** (Financial Transaction Schedules)

SCHEDULE C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ **File as an attachment to Form 5500.**	**2012** **This Form is Open to Public Inspection.**

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
PLANT SCIENCES, INC. 401(K) PROFIT SHARING PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
PLANT SCIENCES, INC.

D Employer Identification Number (EIN)
77-0057997

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. . . . . ☐ Yes ☒ No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

NATIONWIDE

31-4156830

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13	CONTRACT ADMINISTRATOR	28436	Yes [X] No [ ]	Yes [X] No [ ]	472	Yes [ ] No [X]

(a) Enter name and EIN or address (see instructions)

LPL

PO BOX 502308
SAN DIEGO, CA 92150

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT ADVISOR	0	Yes [X] No [ ]	Yes [X] No [ ]	273	Yes [ ] No [X]

(a) Enter name and EIN or address (see instructions)

HAYASHI & WAYLAND RPS

57-0043707

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15	RECORDKEEPING	20776	Yes [X] No [ ]	Yes [X] No [ ]	1861	Yes [ ] No [X]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

LPL FINANCIAL LLC

ATTN CARMELA WILLIAMS
9785 TOWNE CENTRE DRIVE
SAN DIEGO, CA 92121

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTEMENT ADVISOR	0	Yes [X] No [ ]	Yes [X] No [ ]	7423	Yes [ ] No [X]

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes [ ] No [ ]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes [ ] No [ ]	Yes [ ] No [ ]		Yes [ ] No [ ]

Part I Service Provider Information (continued)

3 If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received $1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

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Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)

(complete as many entries as needed)

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
PLANT SCIENCES, INC. 401(K) PROFIT SHARING PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
PLANT SCIENCES, INC.

D Employer Identification Number (EIN)
77-0057997

Part I Asset and Liability Statement

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	217767	231744
(2) Participant contributions	1b(2)	8177	8404
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	1126	719
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	2826819	3122688
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)		

		(a) Beginning of Year	(b) End of Year
1d Employer-related investments:			
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	3053889	3363555
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	3053889	3363555

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)	232899	
(B) Participants	2a(1)(B)	110436	
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		343335
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	49	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		49
(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		210755
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		554139
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	237663	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		237663
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)	6810	
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		6810
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		244473
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		309666
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) [ ] Unqualified **(2)** [ ] Qualified **(3)** [X] Disclaimer **(4)** [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: HUTCHINSON AND BLOODGOOD LLP **(2)** EIN: 95-0858589

d The opinion of an independent qualified public accountant is **not attached** because:

(1) [ ] This form is filed for a CCT, PSA, or MTIA. **(2)** [ ] It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	4a		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)	4b		X	

			Yes	No	Amount
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e	Was this plan covered by a fidelity bond?	4e	X		350000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g	Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h	Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i	Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j	Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		X	
n	If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?
If "Yes," enter the amount of any plan assets that reverted to the employer this year ☐ **Yes** ☒ **No** **Amount:**

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	**5b(2)** EIN(s)	**5b(3)** PN(s)

Part V Trust Information (optional)

6a Name of trust	**6b** Trust's EIN

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

This schedule is required to be filed under section 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection.

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
PLANT SCIENCES, INC. 401(K) PROFIT SHARING PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
PLANT SCIENCES, INC.

D Employer Identification Number (EIN)
77-0057997

Part I Distributions

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions **1**

2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):

EIN(s): 31-4156830

Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.

3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year. **3**

Part II Funding Information (If the plan is not subject to the minimum funding requirements of section of 412 of the Internal Revenue Code or ERISA section 302, skip this Part)

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____

If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) **6a**

b Enter the amount contributed by the employer to the plan for this plan year **6b**

c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount) **6c**

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

Part III Amendments

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ..... ☐ **Increase** ☐ **Decrease** ☐ **Both** ☐ **No**

Part IV ESOPs (see instructions). If this is not a plan described under Section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ..... ☐ **Yes** ☐ **No**

11 a Does the ESOP hold any preferred stock? ..... ☐ **Yes** ☐ **No**

b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ..... ☐ **Yes** ☐ **No**

12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ..... ☐ **Yes** ☐ **No**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a	The current year	**14a**	
b	The plan year immediately preceding the current plan year	**14b**	
c	The second preceding plan year	**14c**	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a	The corresponding number for the plan year immediately preceding the current plan year	**15a**	
b	The corresponding number for the second preceding plan year	**15b**	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a	Enter the number of employers who withdrew during the preceding plan year	**16a**	
b	If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	**16b**	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

PLANT SCIENCES, INC.
401(k) PROFIT SHARING PLAN

Financial Report

Years Ended December 31, 2012 and 2011

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HUTCHINSON and
BLOODGOOD LLP
CERTIFIED PUBLIC ACCOUNTANTS AND CONSULTANTS

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INDEPENDENT AUDITORS' REPORT

To the Administrator
Plant Sciences, Inc. 401(k) Profit Sharing Plan
Watsonville, California

Report on the Financial Statements
We were engaged to audit the financial statements of the Plant Sciences, Inc. 401(k) Profit Sharing Plan ("the Plan"), which comprise of the statements of net assets available for benefits as of December 31, 2012 and 2011, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements
Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility
Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion
As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 5, which was certified by Nationwide Financial Services, Inc., the custodian of the Plan, except for comparing the information with the related information included in the financial statements and supplemental information. We have been informed by the Plan administrator that the custodian holds the Plan's investment assets and executes investment transactions at the direction of the Plan administrator. The Plan administrator has obtained a certification from the custodian as of and for the years ended December 31, 2012 and 2011, that the information provided to the Plan administrator by the custodian is complete and accurate

Disclaimer of Opinion
Because of the significance of the matter described in the Basis of Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements

Other Matter
The supplemental schedule of assets (held at end of year) for the year ended December 31, 2012, is required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and is presented for the purpose of additional analysis and is not a required part of the financial statements. This supplemental schedule is the responsibility of the Plan's management. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on the supplemental schedule.

Report on Form and Content in Compliance With DOL Rules and Regulations
The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the custodian, have been audited by us in accordance with auditing standards generally accepted in the United States of America, and, in our opinion, are presented in compliance with the Department of Labor Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

Hutchinson and Bloodgood LLP

September 27, 2013
Watsonville, California

PLANT SCIENCES, INC. 401(k) PROFIT SHARING PLAN

Statements of Net Assets Available for Benefits
December 31, 2012 and 2011

ASSETS	2012	2011
Investments, at fair value		
Mutual funds	$ 3,122,688	$ 2,826,819
Receivables		
Employer contributions	231,744	217,767
Employee contributions	8,404	8,177
Notes receivable from participants	719	1,126
Total receivables	240,867	227,070
NET ASSETS AVAILABLE FOR BENEFITS	$ 3,363,555	$ 3,053,889

The accompanying notes are an integral part of these financial statements.

PLANT SCIENCES, INC. 401(k) PROFIT SHARING PLAN

Statements of Changes in Net Assets Available for Benefits
Years Ended December 31, 2012 and 2011

	2012	2011
ADDITIONS		
Additions to net assets attributed to:		
Investment income (loss):		
Net realized and unrealized gain (loss) in aggregate fair value of mutual funds	$ 210,755	$ (34,249)
Contributions:		
Participant	110,436	90,917
Employer	232,899	217,767
Total contributions	343,335	308,684
Other income:		
Interest income, notes receivable from participants	49	71
Total additions	554,139	274,506
DEDUCTIONS		
Deductions from net assets attributed to:		
Benefits paid to participants	237,663	205,283
Administrative expenses	6,810	--
Total deductions	244,473	205,283
Net increase in net assets	309,666	69,223
NET ASSETS AVAILABLE FOR BENEFITS		
Beginning of year	3,053,889	2,984,666
End of year	$ 3,363,555	$ 3,053,889

The accompanying notes are an integral part of these financial statements.

NOTE 1. DESCRIPTION OF PLAN

The following description of the Plant Sciences, Inc 401(k) Profit Sharing Plan (the "Plan") provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

General:
Effective January 1, 2010 (the Plan amendment date) the Plan is a defined contribution 401(k) plan covering all eligible employees of Plant Sciences, Inc. (the "Company") who have completed one year of service, are age twenty-one or older, and are not covered under a union collective bargaining agreement. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA). Prior to January 1, 2010 the Plan was a profit sharing plan only and did not allow participants to elect and defer a portion of their salary.

Contributions:
The Company can make discretionary contributions to the Plan in an amount determined by the Board of Directors annually. The Company elected to contribute a 2% profit sharing contribution and a 3% safe harbor contribution of each eligible participant's base compensation to the Plan for both 2012 and 2011.

Participants in the Plan may elect to reduce their compensation by a specific percentage or dollar amount, up to 100% of their pretax annual compensation, and have that amount contributed to the Plan on a pre-tax basis as a salary deferral, subject to IRS limitations. Participants who have attained age 50 before the end of the plan year are eligible to make catch-up contributions. The IRS salary deferral limitations were $17,000 ($22,500 if over 50 years of age) for 2012 and $16,500 ($22,000 if age 50 or over) for 2011. In addition, participants may make rollover contributions from individual retirement accounts (IRAs) and other qualified plans.

Participant Accounts:
Each participant's account is credited with the participant's contribution and allocation of (a) the Company's contributions, (b) Plan earnings, and (c) fees. Allocations are based on participant earnings or account balances, as defined by the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting:
Participants are immediately vested in their voluntary contributions plus actual earnings thereon Participants are always 100% vested in the Company's discretionary contributions, plus actual earnings thereon

NOTE 1. DESCRIPTION OF PLAN (Continued)

Notes receivable from participants:
Effective January 1, 2010 (the Plan amendment date), participant loans are no longer offered as part of the Plan. Prior to January 1, 2010 participants were allowed to borrow against their vested account balances Participants could borrow up to 50% of their vested accounts, up to a maximum of $50,000. Interest on participant loans is charged at 2% above the Prime Rate Required periodic principal and interest payments were made by payroll deduction

Payment of Benefits:
Upon termination of service due to death, disability, or retirement, a participant may elect to receive either a lump-sum amount equal to the value of his or her account, or a monthly pension, payable over the estimated life of the participant or survivor. For termination of service due to other reasons, a participant may receive the value of the vested interest in his or her account as a lump-sum distribution

Administrative Expenses:
Investment management fees and other fees related to investments of the Plan are paid from the earnings of the Plan's investments. Administrative fees paid to the third party Plan administrator are paid from the earnings of the Plan's investments All other expenses relating to the operation of the Plan are paid by the Company

NOTE 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting:
The financial statements of the Plan are prepared under the accrual method of accounting

Use of Estimates:
Preparing the Plan's financial statements in conformity with accounting principles generally accepted in the United States of America (GAAP) requires the plan administrator to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period Actual results could differ from those estimates.

Notes Receivable from Participants:
Participant loans are valued at their unpaid principal balances plus any accrued but unpaid interest.

Realized and Unrealized Gain (Loss):

Realized and unrealized gain (loss) is based on the market value of the assets at the end of the Plan year compared to the market value of the assets at the beginning of the Plan year, or at the time of purchase for assets purchased/exchanged during the Plan year.

NOTE 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Investment Valuation and Income Recognition:
The Plan's investments are stated at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 4 for discussion of fair value measurements.

Purchase and sales are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

Payment of Benefits:
Benefit payments are recorded when paid.

Risks and Uncertainties:
The Plan provides for various investment options in investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risk. Due to the level of risk associated with certain investment securities and the level or uncertainty related to changes in the value of investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits and the statement of changes in net assets available for benefits.

NOTE 3. INVESTMENTS

The following investments represent 5% or more of the Plan's net assets at fair value at December 31, 2012 and 2011:

	2012	2011
Drey Inst Prfrd MnyMkt Prm	$ 848,650	$ 795,259
Vngrd Trgt Rtrmt 2005	--	260,428
Vngrd Trgt Rtrmt 2015	167,585	156,491
Vngrd Trgt Rtrmt 2030	525,999	443,773
Vngrd Trgt Rtrmt Inc	238,986	--
	$ 1,781,220	$ 1,655,951

NOTE 4. FAIR VALUE MEASUREMENTS

That framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy under the FASB Accounting Standards Codification 820 are described below:

Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2: Inputs to the valuation methodology include: quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in inactive markets; inputs other than quoted prices that are observable for the asset or liability; inputs that are derived principally from or corroborated by observable market data by correlation or other means. If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2012 and 2011:

- Mutual funds are valued at net asset value ("NAV") per share based on quoted market prices of underlying investments held by the Plan at year-end. The fair values of common stocks, corporate bonds, and U.S. Government securities are based on the closing price reported on the active market where the individual securities are traded, when available.

NOTE 4. FAIR VALUE MEASUREMENTS (Continued)

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2012 and 2011:

December 31, 2012

	Level 1	Level 2	Level 3	Total
Investments, at fair value:				
Mutual funds	$ 3,122,688	$ --	$ --	$ 3,122,688

December 31, 2011

	Level 1	Level 2	Level 3	Total
Investments, at fair value:				
Mutual funds	$ 2,826,819	$ --	$ --	$ 2,826,819

NOTE 5. CERTIFIED INFORMATION

The financial information included in the Plan's financial statements as it relates to investment assets, investment transactions, investment income, and the schedule of assets (held at end of year) have been derived from information certified as complete and accurate by Nationwide Financial Services, Inc., the trustee of the Plan, in accordance with Section 29 CFR 2520 103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Security Act of 1974.

NOTE 6. PARTY-IN-INTEREST TRANSACTIONS

The custodian of the Plan is Nationwide Financial Services, Inc. The purchase by the Plan of certain proprietary funds sponsored by the units and subsidiaries of Nationwide Financial Services, Inc. constitutes party-in-interest transactions which are allowable under the ERISA regulations.

Certain officers and employees of the Company (who may also be participants in the Plan) perform administrative services related to the operation and financial reporting of the Plan. The Company pays these individuals' salaries and also pays other administrative expense on behalf of the Plan. Certain fees, to the extent not paid by the Company, are paid by the Plan.

These transactions are not deemed prohibited party-in-interest transactions, because they are covered by statutory and administrative exemptions from the Code and ERISA's rules on prohibited transactions.

NOTE 7. PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA.

NOTE 8. TAX STATUS

The Plan obtained its latest determination letter on March 31, 2008, in which the Internal Revenue Service stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code. The plan has been amended since receiving the determination letter. However, the plan administrator believes that the plan is currently designed and being operated in compliance with the applicable requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements

Accounting principles generally accepted in the United States of America require the Plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken uncertain tax positions that more-likely-than-not would not be sustained upon examination by applicable taxing authorities The Plan Administrator has analyzed tax positions taken by the Plan and concluded that, as of December 31, 2012, there are no uncertain tax positions taken, or expected to be taken, that would require recognition of a liability or that would require disclosure in the financial statements.

The Plan is subject to routine audits by taxing jurisdictions. However, currently no audits for any tax periods are in progress. The Plan Administrator believes that the Plan is no longer subject to income tax examinations for the years prior to December 31, 2009.

NOTE 9. SUBSEQUENT EVENTS

The Plan's management has evaluated subsequent events through September 27, 2013, the date of issuance of the financial statements.

PLANT SCIENCES, INC. 401(k) PROFIT SHARING PLAN

FEIN: 77-0057997 PN: 001
SCHEDULE H, LINE 4(i)
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
December 31, 2012

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description	(d) Cost	(e) Current Value
	Mutual funds:			
	AmFds New Econ R6	Mutual Fund	*	$ 10,468
	DodgeCox Intl Stk	Mutual Fund	*	15,908
	Drey Inst Prfrd MnyMkt Prm	Money Market	*	848,650
	GdmnScs MdCap Val Inst	Mutual Fund	*	33,075
	Invsco VK Gr Inc Y	Mutual Fund	*	6,975
	LrdAbt Devl Gr I	Mutual Fund	*	699
	MSIF MdCap Gr I	Mutual Fund	*	44,742
	NeuBer Genesis Inst	Mutual Fund	*	42,292
	Opp Devl Mkt Y	Mutual Fund	*	76,212
	PIMCO Low Dur Inst	Mutual Fund	*	41,826
	PIMCO Real Rtn Inst	Mutual Fund	*	5,107
	Prncpl Hi Yld Inst	Mutual Fund	*	80,940
	Prncpl MdCap Blnd Inst	Mutual Fund	*	16,567
	TCW Ttl Rtn Bd I	Mutual Fund	*	9,051
	Thrnbrg Intl Val I	Mutual Fund	*	9,776
	Vngrd Gr Indx Inv	Mutual Fund	*	131,273
	Vngrd MdCap Gr Indx Inv	Mutual Fund	*	9,117
	Vngrd MdCap Val Indx Inv	Mutual Fund	*	773
	Vngrd Prec Mtls Mining	Mutual Fund	*	2,632
	Vngrd SmCap Gr Indx Inv	Mutual Fund	*	12,495
	Vngrd SmCap Indx Inv	Mutual Fund	*	737
	Vngrd SmCap Val Indx Inv	Mutual Fund	*	26
	Vngrd Trgt Rtrmt 2010	Mutual Fund	*	104,048
	Vngrd Trgt Rtrmt 2015	Mutual Fund	*	167,585
	Vngrd Trgt Rtrmt 2020	Mutual Fund	*	31,571
	Vngrd Trgt Rtrmt 2025	Mutual Fund	*	117,426
	Vngrd Trgt Rtrmt 2030	Mutual Fund	*	525,999
	Vngrd Trgt Rtrmt 2035	Mutual Fund	*	29,043
	Vngrd Trgt Rtrmt 2040	Mutual Fund	*	70,245
	Vngrd Trgt Rtrmt 2045	Mutual Fund	*	52,311
	Vngrd Trgt Rtrmt 2050	Mutual Fund	*	13,482
	Vngrd Trgt Rtrmt 2055	Mutual Fund	*	8,994
	Vngrd Trgt Rtrmt Inc	Mutual Fund	*	238,986
	Vngrd Val Indx Inv	Mutual Fund	*	1,530

PLANT SCIENCES, INC. 401(k) PROFIT SHARING PLAN

FEIN: 77-0057997 PN: 001
SCHEDULE H, LINE 4(i)
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
December 31, 2012

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description	(d) Cost	(e) Current Value
	Mutual funds:			
**	Nationwide Life Insurance Company			
	NW Inv Dest Aggr Inst	Mutual Fund	*	2,461
	NW Inv Dest Cnsrv Inst	Mutual Fund	*	123,215
	NW Inv Dest Mod Aggr Inst	Mutual Fund	*	60,783
	NW Inv Dest Mod Cnsrv Inst	Mutual Fund	*	2,646
	NW Inv Dest Mod Inst	Mutual Fund	*	139,011
	NW MdCap Mkt Indx Inst	Mutual Fund	*	34,011
	Total mutual funds			$ 3,122,688
**	Participant loans	Maturity date August 2014; interest rate 5 25%	-0-	$ 719

* Individual accounts are participant directed; cost information is not required.
** Party-in-interest

"PLANT SCIENCES, INC. 401(K) PROFIT SHARING PLAN"
PLAN YEAR END: 12/31/2012
EIN: 77-0057997
PLAN NUMBER: 001

"Schedule of Assets Held for Investment Purposes, See Form 5500 Schedule H - Line 4i"

(a) (b) (c) (d) (e)

"Description of investment including maturity date,"
"Identity of issue, borrower, lessor, or similar party" "rate of interes, collateral, par or maturity value" Cost Current Value

Shares of a Registered Investment Co.
NATIONWIDE AmFds New Econ R6 0 "10,468"
NATIONWIDE DodgeCox Intl Stk 0 "15,908"
NATIONWIDE Drey Inst Prfrd MnyMkt Prm 0 "848,650"
NATIONWIDE GdmnScs MdCap Val Inst 0 "33,075"
NATIONWIDE Invsco Gr Inc Y 0 "6,975"
NATIONWIDE LrdAbt Devl Gr I 0 699
NATIONWIDE MSIF MdCap Gr I 0 "44,742"
NATIONWIDE NW Inv Dest Aggr Inst 0 "2,461"
NATIONWIDE NW Inv Dest Cnsrv Inst 0 "123,215"
NATIONWIDE NW Inv Dest Mod Aggr Inst 0 "60,783"
NATIONWIDE NW Inv Dest Mod Cnsrv Inst 0 "2,646"
NATIONWIDE NW Inv Dest Mod Inst 0 "139,011"
NATIONWIDE NW MdCap Mkt Indx Inst 0 "34,011"
NATIONWIDE NeuBer Genesis Inst 0 "42,292"
NATIONWIDE Opp Devl Mkt Y 0 "76,212"
NATIONWIDE PIMCO Low Dur Inst 0 "41,827"
NATIONWIDE PIMCO Real Rtn Inst 0 "5,107"
NATIONWIDE Prncpl Hi Yld Inst 0 "80,940"
NATIONWIDE Prncpl MdCap Blnd Inst 0 "16,567"
NATIONWIDE TCW Ttl Rtn Bd I 0 "9,052"
NATIONWIDE Thrnbrg Intl Val I 0 "9,776"
NATIONWIDE Vngrd Gr Indx Inv 0 "131,273"
NATIONWIDE Vngrd MdCap Gr Indx Inv 0 "9,117"
NATIONWIDE Vngrd MdCap Val Indx Inv 0 773
NATIONWIDE Vngrd Prec Mtls Mining 0 "2,632"
NATIONWIDE Vngrd SmCap Gr Indx Inv 0 "12,495"
NATIONWIDE Vngrd SmCap Indx Inv 0 737
NATIONWIDE Vngrd SmCap Val Indx Inv 0 26
NATIONWIDE Vngrd Trgt Rtrmt 2010 0 "104,048"
NATIONWIDE Vngrd Trgt Rtrmt 2015 0 "167,585"
NATIONWIDE Vngrd Trgt Rtrmt 2020 0 "31,571"
NATIONWIDE Vngrd Trgt Rtrmt 2025 0 "117,426"
NATIONWIDE Vngrd Trgt Rtrmt 2030 0 "525,999"
NATIONWIDE Vngrd Trgt Rtrmt 2035 0 "29,043"
NATIONWIDE Vngrd Trgt Rtrmt 2040 0 "70,245"
NATIONWIDE Vngrd Trgt Rtrmt 2045 0 "52,311"
NATIONWIDE Vngrd Trgt Rtrmt 2050 0 "13,482"
NATIONWIDE Vngrd Trgt Rtrmt 2055 0 "8,994"
NATIONWIDE Vngrd Trgt Rtrmt Inc 0 "238,986"
NATIONWIDE Vngrd Val Indx Inv 0 "1,530"
* PARTICIPANT LOANS "5.25%, 2009 - 2014" 719 719