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

2011

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

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, including room or suite number (Employer, if for 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.	10/10/2012	RICHARD D. NELSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2012	RICHARD D. 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

3a Plan administrator's name and address (if same as plan sponsor, enter "Same")
PLANT SCIENCES, INC.

342 GREEN VALLEY ROAD
WATSONVILLE, CA 95076

3b Administrator's EIN
77-0057997

3c Administrator's telephone number
831-728-7771

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**	265
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**	140
b	Retired or separated participants receiving benefits	**6b**	0
c	Other retired or separated participants entitled to future benefits	**6c**	122
d	Subtotal. Add lines **6a**, **6b**, and **6c**	**6d**	262
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits	**6e**	0
f	Total. Add lines **6d** and **6e**	**6f**	262
g	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	227
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 Characteristic 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 Characteristic 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.**	**2011** **This Form is Open to Public Inspection.**

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

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	26184	Yes [X] No [ ]	Yes [X] No [ ]	332	Yes [ ] No [X]

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

LPL FINANCIAL CORPORATION

95-2834236

(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 [ ]	4443	Yes [ ] No [X]

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

HAYASHI & WAYLAND RPS

20-4319325

(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	15774	Yes [X] No [ ]	Yes [X] No [ ]	1798	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)

(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 ☐

(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

(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

2011

This Form is Open to Public Inspection

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

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)	198450	217767
(2) Participant contributions	1b(2)	6145	8177
(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)	1511	1126
(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)	2793231	2826819
(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	2999337	3053889
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h	14671	
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through1j)	1k	14671	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	2984666	3053889

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)	217767	
(B) Participants	2a(1)(B)	90917	
(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)		308684
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)	71	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		71
(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

		(a) Amount	(b) Total
2b (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
(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)		-34249
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		274506
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	205283	
(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)		205283
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)		
(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)		0
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		205283
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		69223
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) [X] Unqualified (2) [ ] Qualified (3) [ ] Disclaimer (4) [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [ ] Yes [X] 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 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete 4j and 4l. MTIAs also do not complete 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	
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)

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

2011

This Form is Open to Public Inspection.

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

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 items 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 items 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 items 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 items 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 items 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 items 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 item 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 items (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 item 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

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

FINANCIAL REPORT

Years Ended December 31, 2011 and 2010

TABLE OF CONTENTS

	Page
INDEPENDENT AUDITORS' REPORT	1
FINANCIAL STATEMENTS	
Statements of Net Assets Available for Benefits	2
Statements of Changes in Net Assets Available for Benefits	3
Notes to Financial Statements	4-9
SUPPLEMENTAL INFORMATION	
Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year)	10-11

HUTCHINSON and
BLOODGOOD LLP
CERTIFIED PUBLIC ACCOUNTANTS AND CONSULTANTS

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Watsonville, CA 95076-3727
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www.hbllp.com

INDEPENDENT AUDITORS' REPORT

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

We were engaged to audit the statements of net assets available for benefits of the Plant Sciences, Inc. 401(k) Profit Sharing Plan as of December 31, 2011 and 2010, and the statements of changes in net assets available for benefits for the years then ended, and the supplemental information for the year ended December 31, 2011, as listed in the table of contents. These financial statements and supplemental information are the responsibility of the Plan's management.

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, 2011 and 2010, that the information provided to the Plan administrator by the custodian is complete and accurate.

Because of the significance of the information that we did not audit, we are unable to, and do not, express an opinion on the accompanying financial statements and supplementary information taken as a whole. The form and content of the information included in the financial statements and supplementary information, 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's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

/Hutchinson and Bloodgood LLP

October 2, 2012
Watsonville, California

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

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
December 31, 2011 and 2010

ASSETS	2011	2010
Investments, at fair value		
Pooled separate accounts	$ 2,826,819	$ 2,793,231
Receivables		
Employer contributions	217,767	198,450
Employee contributions	8,177	6,145
Notes receivable from participants	1,126	1,511
Total receivables	227,070	206,106
Total assets	3,053,889	2,999,337
LIABILITIES		
Payables		
Accrued plan management fees	--	14,671
Total liabilities	--	14,671
NET ASSETS AVAILABLE FOR BENEFITS	$ 3,053,889	$ 2,984,666

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, 2011 and 2010

ADDITIONS	2011	2010
Additions to net assets attributed to:		
Investment income (loss):		
Net realized and unrealized gain (loss) in aggregate fair value of pooled separate accounts	$ (34,249)	$ 224,976
Contributions:		
Participant	90,917	58,129
Employer	217,767	199,776
Total contributions	308,684	257,905
Other income:		
Interest income, notes receivable from participants	71	85
Total additions	274,506	482,966
DEDUCTIONS		
Deductions from net assets attributed to:		
Benefits paid to participants	205,283	63,240
Administrative expenses	--	7,820
Total deductions	205,283	71,060
Net increase in net assets	69,223	411,906
NET ASSETS AVAILABLE FOR BENEFITS		
Beginning of year	2,984,666	2,572,760
End of year	$ 3,053,889	$ 2,984,666

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 and one thousand (1,000) hours of service, 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 2011 and 2010.

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 $16,500 ($22,000 if age 50 or over) for 2011 and 2010. 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. 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.

Note 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

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.

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, 2011 and 2010:

	2011	2010
Drey Inst Prfrd MnyMkt Prm	$ 795,259	$ 825,791
Vngrd Trgt Rtrmt 2005	260,428	267,719
Vngrd Trgt Rtrmt 2010	--	141,499
Vngrd Trgt Rtrmt 2015	156,491	141,633
Vngrd Trgt Rtrmt 2030	443,773	434,639
	$ 1,655,951	$ 1,811,281

Note 4. FAIR VALUE MEASUREMENTS

The Plan's investments are reported at fair value in the accompanying statement of net assets available for benefits. The methods used to measure fair value may produce an amount that may not be indicative of net realizable value or reflective of future values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The fair value measurement accounting literature establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. This hierarchy consists of three broad levels: Level 1 inputs consist of unadjusted quoted prices in active markets for identical assets and have the highest priority, Level 2 inputs consist of observable inputs other than quoted prices for identical assets, and Level 3 inputs are unobservable and have the lowest priority. The Plan uses appropriate valuation techniques based on the available inputs to measure the fair value of its investments.

When available, the Plan measures fair value using Level 1 inputs because they generally provide the most reliable evidence of fair value. No Level 2 or 3 inputs were available to the Plan.

Level 1: The fair value of mutual funds is based on quoted net asset values of the shares 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, 2011 and 2010:

December 31, 2011

	Level 1	Total
Investments, at fair value:		
Pooled separate accounts	$ 2,826,819	$ 2,826,819

December 31, 2010

	Level 1	Total
Investments, at fair value:		
Pooled separate accounts	$ 2,793,231	$ 2,793,231

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 and the plan's tax counsel believe 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.

The Financial Accounting Standards Board (FASB) issued guidance that clarifies the accounting for uncertainty in income taxes recognized in the Plan's financial statements. In addition, the guidance prescribes a comprehensive model for recognizing, measuring, presenting, and disclosing in the financial statements tax positions taken or expected to be taken on a tax return, including positions that the Plan is not subject to income taxes. In addition, it provides guidance on de-recognition, classification, interest and penalties, accounting for interim periods, disclosure, and transition. Only tax positions that meet the more likely than not recognition threshold at the effective date may be recognized upon adoption of guidance.

As of December 31, 2011, the Company has no uncertain tax positions that qualify for either recognition or disclosure in the financial statements. The Plan's tax years 2008 through 2011 remain open and could be subject to examination by tax jurisdictions.

Note 9. SUBSEQUENT EVENTS

The Plan's management has evaluated subsequent events through October 2, 2012, 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, 2011

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description	(d) Cost	(e) Current Value
	Pooled separate accounts:			
	AmFds New Econ R6	Mutual Fund	*	$ 6,771
	DodgeCox Intl Stk	Mutual Fund	*	10,725
	Drey Inst Prfrd MnyMkt Prm	Money Market	*	795,259
	GdmnScs MdCap Val Inst	Mutual Fund	*	27,031
	Invsco VK Gr Inc Y	Mutual Fund	*	4,828
	LrdAbt Devl Gr I	Mutual Fund	*	554
	MSIF MdCap Gr I	Mutual Fund	*	70,211
	NeuBer Genesis Inst	Mutual Fund	*	32,078
	Opp Devl Mkt Y	Mutual Fund	*	56,322
	PIMCO Low Dur Inst	Mutual Fund	*	34,971
	PIMCO Real Rtn Inst	Mutual Fund	*	2,813
	Prncpl Hi Yld Inst	Mutual Fund	*	60,645
	Prncpi MdCap Blnd Inst	Mutual Fund	*	11,632
	TCW Ttl Rtn Bd I	Mutual Fund	*	6,280
	Thrnbrg Intl Val I	Mutual Fund	*	6,175
	Vngrd Gr Indx Inv	Mutual Fund	*	101,606
	Vngrd MdCap Gr Indx Inv	Mutual Fund	*	6,177
	Vngrd MdCap Val Indx Inv	Mutual Fund	*	154
	Vngrd Prec Mtls Mining	Mutual Fund	*	2,057
	Vngrd SmCap Gr Indx Inv	Mutual Fund	*	10,290
	Vngrd SmCap Indx Inv	Mutual Fund	*	549
	Vngrd Val Indx Inv	Mutual Fund	*	310
	Vngrd Trgt Rtrmt 2005	Mutual Fund	*	260,428
	Vngrd Trgt Rtrmt 2010	Mutual Fund	*	111,281
	Vngrd Trgt Rtrmt 2015	Mutual Fund	*	156,491
	Vngrd Trgt Rtrmt 2020	Mutual Fund	*	67,552
	Vngrd Trgt Rtrmt 2025	Mutual Fund	*	94,927
	Vngrd Trgt Rtrmt 2030	Mutual Fund	*	443,773
	Vngrd Trgt Rtrmt 2035	Mutual Fund	*	65,662
	Vngrd Trgt Rtrmt 2040	Mutual Fund	*	36,279
	Vngrd Trgt Rtrmt 2045	Mutual Fund	*	41,588
	Vngrd Trgt Rtrmt 2050	Mutual Fund	*	18,302
	Vngrd Trgt Rtrmt 2055	Mutual Fund	*	5,203

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, 2011

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description	(d) Cost	(e) Current Value
	Pooled separate accounts:			
**	Nationwide Life Insurance Company			
	NW Inv Dest Aggr Inst	Mutual Fund	*	2,610
	NW Inv Dest Cnsrv Inst	Mutual Fund	*	119,456
	NW Inv Dest Mod Aggr Inst	Mutual Fund	*	26,266
	NW Inv Dest Mod Cnsrv Inst	Mutual Fund	*	3,942
	NW Inv Dest Mod Inst	Mutual Fund	*	101,397
	NW MdCap Mkt Indx Inst	Mutual Fund	*	24,224
	Total pooled separate accounts			$ 2,826,819
**	Participant loans	Maturity date August 2014; interest rate 5.25%	-0-	$ 1,126

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

"PLANT SCIENCES, INC. 401(K) PROFIT SHARING PLAN"
PLAN YEAR END: 12/31/2011
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 "6,771"
NATIONWIDE DodgeCox Intl Stk 0 "10,725"
NATIONWIDE Drey Inst Prfrd MnyMkt Prm 0 "795,259"
NATIONWIDE GdmnScs MdCap Val Inst 0 "27,031"
NATIONWIDE Invsco VK Gr Inc Y 0 "4,828"
NATIONWIDE LrdAbt Devl Gr I 0 554
NATIONWIDE MSIF MdCap Gr I 0 "70,211"
NATIONWIDE NW Inv Dest Aggr Inst 0 "2,610"
NATIONWIDE NW Inv Dest Cnsrv Inst 0 "119,456"
NATIONWIDE NW Inv Dest Mod Aggr Inst 0 "26,266"
NATIONWIDE NW Inv Dest Mod Cnsrv Inst 0 "3,942"
NATIONWIDE NW Inv Dest Mod Inst 0 "101,397"
NATIONWIDE NW MdCap Mkt Indx Inst 0 "24,224"
NATIONWIDE NeuBer Genesis Inst 0 "32,078"
NATIONWIDE Opp Devl Mkt Y 0 "56,322"
NATIONWIDE PIMCO Low Dur Inst 0 "34,971"
NATIONWIDE PIMCO Real Rtn Inst 0 "2,813"
NATIONWIDE Prncpl Hi Yld Inst 0 "60,645"
NATIONWIDE Prncpl MdCap Blnd Inst 0 "11,632"
NATIONWIDE TCW Ttl Rtn Bd I 0 "6,280"
NATIONWIDE Thrnbrg Intl Val I 0 "6,175"
NATIONWIDE Vngrd Gr Indx Inv 0 "101,606"
NATIONWIDE Vngrd MdCap Gr Indx Inv 0 "6,177"
NATIONWIDE Vngrd MdCap Val Indx Inv 0 154
NATIONWIDE Vngrd Prec Mtls Mining 0 "2,057"
NATIONWIDE Vngrd SmCap Gr Indx Inv 0 "10,290"
NATIONWIDE Vngrd SmCap Indx Inv 0 549
NATIONWIDE Vngrd Trgt Rtrmt 2005 0 "260,428"
NATIONWIDE Vngrd Trgt Rtrmt 2010 0 "111,281"
NATIONWIDE Vngrd Trgt Rtrmt 2015 0 "156,491"
NATIONWIDE Vngrd Trgt Rtrmt 2020 0 "67,551"
NATIONWIDE Vngrd Trgt Rtrmt 2025 0 "94,927"
NATIONWIDE Vngrd Trgt Rtrmt 2030 0 "443,773"
NATIONWIDE Vngrd Trgt Rtrmt 2035 0 "65,662"
NATIONWIDE Vngrd Trgt Rtrmt 2040 0 "36,278"
NATIONWIDE Vngrd Trgt Rtrmt 2045 0 "41,588"
NATIONWIDE Vngrd Trgt Rtrmt 2050 0 "18,302"
NATIONWIDE Vngrd Trgt Rtrmt 2055 0 "5,203"
NATIONWIDE Vngrd Val Indx Inv 0 309
* PARTICIPANT LOANS "5.25%, 2009 - 2014" "1,126" "1,126"