

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 11-K

ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

For the Fiscal Year ended December 31, 2004

OR

TRANSITION REPORT PURSUANT TO SECTION 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number 0-14616

A. Full title of the plan and the address of the plan, if different from
that of the issuer named below:

J & J Snack Foods Corp. 401(k) Profit Sharing Plan

B. Name of issuer of the securities held pursuant to the plan and the
address of its principal executive office:

J & J Snack Foods Corp.
6000 Central Highway
Pennsauken, NJ 08109

Financial Statements and Report of Independent Registered Public
Accounting Firm

J & J Snack Foods Corp. 401(k) Profit-Sharing Plan
December 31, 2004 and 2003

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Report of Independent Registered Public Accounting Firm

Trustees
J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

We have audited the accompanying statements of net assets available for plan benefits of the J & J Snack Foods Corp. 401(k) Profit-Sharing Plan (the Plan) as of December 31, 2004 and 2003, and the related statement of changes in net assets available for plan benefits for the year ended December 31, 2004. These financial statements are the responsibility of the Plan Administrator. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Plan is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits include consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for plan benefits of the Plan as of December 31, 2004 and 2003, and the changes in net assets available for plan benefits for the year ended December 31, 2004 in conformity with accounting principles generally accepted in the United States of America.

/s/ Grant Thornton LLP
Philadelphia, Pennsylvania
June 23, 2005

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J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

STATEMENTS OF NET ASSETS AVAILABLE FOR PLAN BENEFITS

December 31,

ASSETS	2004	2003
Investments		
Participant directed	\$37,266,811	\$31,272,686
Participant loans	1,852,898	1,449,939
Total investments	39,119,709	32,722,625
Receivables		
Employer contributions	130,880	108,387
Participant contributions	319,223	240,630
Total receivables	450,103	349,017
Cash and cash equivalents	-	17,854
Total assets	39,569,812	33,089,496
LIABILITIES		
Other	-	(14,635)
Total liabilities	-	(14,635)

Net assets available for plan benefits \$39,569,812 \$33,074,861

The accompanying notes are an integral part of these statements.

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J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR PLAN BENEFITS

Year ended

	2004	2003
Additions		
Additions to net assets attributed to		
Investment income		
Net appreciation in fair value		
of investments	\$ 3,292,232	\$ 5,449,178
Interest and dividend income	494,411	421,036
Total investment income	3,786,643	5,870,214
Contributions		
Employer	1,193,907	1,153,975
Participant Rollover	279,821	69,593
Participants	2,776,993	2,377,242
Total contributions	4,250,721	3,600,810
Total additions	8,037,364	9,471,024
Deductions		
Deductions from assets attributed to		
Benefits paid to participants	(1,521,817)	(1,216,916)
Administrative expenses	(20,596)	(20,320)
Total deductions	(1,542,413)	(1,237,236)
NET INCREASE	6,494,951	8,233,788
Net assets available for plan benefits		
Beginning of year	33,074,861	24,841,073
End of year	\$39,569,812	\$33,074,861

The accompanying notes are an integral part of these statements.

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J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

NOTES TO FINANCIAL STATEMENTS

December 31, 2004 and 2003

NOTE A - DESCRIPTION OF THE PLAN

The following description of the plan provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

1. General

The Plan is a defined contribution plan covering all employees of J & J Snack Foods Corp. (the Company) who have one year of service and are age 21 or older. It is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

2. Contributions

Each year, participants may make a pretax contribution deferring no less than 2% or more than 25% of total compensation, subject to Internal Revenue Service regulations.

The Company may contribute:

- . A discretionary matching contribution equal to a percentage of the amount of the salary reduction elected for deferral by each participant. This percentage will be determined each year by the Company.
- . On behalf of each non-highly compensated participant, a special discretionary contribution equal to a percentage of the participant's compensation. This percentage will be determined each year by the Company.
- . A discretionary amount in addition to the special contribution, which will be determined each year by the Company.

3. Participant Accounts

Each participant's account is credited with the participant's contribution and allocation of (a) the Company's contribution and, (b) Plan earnings net of expenses, and (c) forfeitures of terminated participants' nonvested accounts. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's account.

Participants have the ability to make daily transfers of all or a portion of employee and employer contributions to their account from one fund to another in multiples of 5% of the fund balance.

4. Vesting

Participants are 100% vested in their salary reduction contributions. Vesting in the remainder of their account is based on years of service. Participants are vested at a rate of 20% for each year of service from years two to six (fully vested after six years).

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J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

NOTES TO FINANCIAL STATEMENTS - CONTINUED
December 31, 2004 and 2003

NOTE A - DESCRIPTION OF THE PLAN - Continued

5. Payment of Benefits

On termination of service, benefits are payable in a lump sum or annuity form at the election of the participant.

6. Loans to Participants

The trustee may make loans from the Plan to participants in accordance with the Plan document. All loans to participants are considered investments of the trust fund and bear market rates of interest. Participants may borrow up to 50% of their vested balance up to \$50,000. All loans are to be repaid within five years unless the loan is used to acquire a principal residence, in which case the term may be longer.

7. Forfeited Accounts

Total annual forfeitures for 2004 and 2003 were approximately \$30,000 and \$20,000, respectively. These amounts will first be used to reinstate previously forfeited balances of rehired employees; any remaining amount will be allocated to participants in the proportion that each participant's compensation is to the total compensation of

all the participants.

8. Reclassifications

Certain reclassifications to the 2003 statements have been made to conform to the 2004 presentation.

NOTE B - SUMMARY OF ACCOUNTING POLICIES

A summary of the Plan's significant accounting policies consistently applied in the preparation of the accompanying financial statements follows.

1. Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management 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 revenue and expenses during the reporting period. Actual results could differ from those estimates.

2. Cash and Cash Equivalents

The Plan considers all highly liquid investments purchased with original maturities of three months or less to be cash equivalents.

J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2004 and 2003

NOTE B - SUMMARY OF ACCOUNTING POLICIES - Continued

3. Fair Value of Financial Instruments

Statement of Financial Accounting Standards (SFAS) No. 107, Disclosures about Fair Value of Financial Instruments, requires entities to disclose the estimated fair value of their assets and liabilities considered to be financial instruments. Financial instruments consist entirely of investments for which fair value disclosures have been provided.

4. Investment Valuation and Income Recognition

The Plan's investments are stated at fair value except for loan receivables that are valued at outstanding principal balances, which approximates fair value. Shares of registered investment companies are valued at quoted market prices which represent the net asset value of shares held by the Plan at year-end. The Company stock is valued at its quoted market price.

The change in fair value of assets during the year is measured by the difference between the fair value at year-end and the fair value at the beginning of the year or costs of purchases during the year and is reflected in the statements of changes in net assets available for benefits as net appreciation (depreciation) in fair value of investments.

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain 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.

The purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend basis.

5. Payment of Benefits

Benefits are recorded when paid.

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J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2004 and 2003

NOTE C - INVESTMENTS

The following table presents the fair value of investments representing 5% or more of the Plan's net assets.

FAIR VALUE OF INVESTMENTS

Investment	2004	2003
OPPENHEIMER CAPITAL APRECIATION FUND		\$ 4,454,614
OPPENHEIMER GLOBAL FUND	\$ 1,649,611	\$ 3,441,744
J & J SNACK FOODS CORP. COMMON STOCK	\$ 3,800,492	\$ 2,979,264
AMCAP FUND	\$ 556,313	\$ 2,100,818
AMERICAN FUNDS U.S. GOV'T GUARANTEED SEC.FUND		\$ 5,079,487
LEGG MASON VALUE TRUST		\$ 4,928,328
AMERICAN BALANCED FUND		\$ 2,147,045
AMERICAN FUNDS WASHINGTON MUTUAL INV FUND		\$ 2,054,634
DAVID OPPORTUNITY FUND		\$ 2,795,719
MFS CORE GROWTH A	\$ 2,744,105	
MFS CONSERVATIVE ALLOCATION A	\$ 2,399,822	
MFS MODEERATE ALLOCATION A	\$ 3,565,698	
MFS GROWTH ALLOCATION A	\$ 3,545,928	
MFS AGGRESSIVE GROWTH ALLOCATION A	\$11,856,005	
DAVIS NY VENTURE A	\$ 2,239,206	
PARTICIPANT LOANS	\$ 1,852,898	\$ 1,449,939
OTHER	\$ 4,909,632	\$ 1,291,033
	\$39,119,709	\$32,722,625

During 2004 and 2003, the Plan's investments (including realized and unrealized gains and losses) appreciated in value by \$3,292,232 and \$5,449,178 as follows:

	2004	2003
Mutual funds	\$ 2,421,536	\$ 5,250,303
Common stock	870,696	198,875
	\$ 3,292,232	\$ 5,449,178

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J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2004 and 2003

NOTE D - RELATED PARTY TRANSACTIONS

At December 31, 2004 and 2003, investments include 79,147 and 78,900 shares of the Corporation's stock valued at \$3,800,492 and \$2,979,264, respectively.

NOTE E - TRUST AGREEMENT

Effective August 31, 2005, the company entered a trust agreement with MFS Heritage Trust Company, replacing First Trust as Trustee. Under the terms of this agreement, the Trustee will hold, invest and reinvest the Plan's funds. The Company has no right, title or interest in or to the trust fund maintained under this agreement.

NOTE F - 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. In the event of Plan termination, participants will become 100% vested in their accounts.

NOTE G - INCOME TAX STATUS

The Internal Revenue Service has determined and informed the Corporation by a letter dated January 20, 2005, that the Plan and related trust are designed in accordance with Section 401(a) of the Internal Revenue Code (the Code) and are therefore exempt from federal income taxes under the provisions of Section 501(a) of the Code. The Plan administrator and the Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the Code.

Report of Independent Registered Public Accounting Firm on
Supplemental Information

Trustees
J & J Snack Foods Corp. 401(k) Profit-Sharing Plan

Our audits were made for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule of assets held for investment purposes is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audits of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/ Grant Thornton LLP
Philadelphia, Pennsylvania
June 23, 2005

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Schedule H, Line 4(i)-Schedule of Assets (Held at End of Year)

Name of Plan: J & J SNACK FOODS CORP. 401(k) PROFIT SHARING PLAN
Three Digit Plan Number: 001
Employer Identification #: 22-1935537
Plan Sponsor's Name: J & J SNACK FOODS CORP.

(a)	Identity of Issue (b)	Description of Investment (c)	Cost (d)	Current Value (e)
	MFS MONEY MARKET	Reg Invest Co Mutual Fund		113,228
	MFS TOTAL RETURN A	Reg Invest Co Mutual Fund		644,342
	MFS GOVERNMENT SECURITIES A	Reg Invest Co Mutual Fund		1,497,704
	MFS CORE GROWTH A	Reg Invest Co Mutual Fund		2,744,105
	MFS STRATEGIC VALUE A	Reg Invest Co Mutual Fund		653,575
	MFS NEW ENDEAVOR A	Reg Invest Co Mutual Fund		607,802
	MFS CONSERVATIVE ALLOCATION A	Reg Invest Co Mutual Fund		2,399,822
	MFS MODERATE ALLOCATION A	Reg Invest Co Mutual Fund		3,565,698
	MFS GROWTH ALLOCATION A	Reg Invest Co Mutual Fund		3,545,928
	MFS AGGRESSIVE GROWTH ALLOC A	Reg Invest Co Mutual Fund		11,856,005
	DAVIS NY VENTURE A	Reg Invest Co Mutual Fund		2,239,206
	AMERICAN FUNDS AMCAP R3	Reg Invest Co Mutual Fund		556,313
	OPPENHEIMER GLOBAL N	Reg Invest Co Mutual Fund		1,649,611
	MFS FIXED FUND INSTITUTIONAL	Common Collective Trust		1,392,981
*	J & J STOCK FUND	Common Stock/79,147 Shares		3,800,492
*	PARTICIPANT LOANS	Low-High Interest		

*Party-In-Interest transactions

J& J Snack Foods Corp 401(k) Profit Sharing Plan

EIN 22-1935537
Plan No. 001

Line 4j - Schedule of Reportable (5%) Transactions
Year Ended December 31, 2004

(a) Identity of party involved	(b) Description of asset	(c) Purchase price	(d) Selling price	(e) Lease rental	(f) Expense incurred with trans- action	(g) cost of asset	(h) Current Value of asset on trans' date	(i) Net gain
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There were no category (i), (ii), (iii) or (iv)
reportable transactions during 2004.

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our report dated June 23 , 2005 accompanying the financial statements and schedule incorporated by reference or included in the Annual Report of J & J Snack Foods Corp. 401(k) Profit-Sharing Plan on Form 11-K for the year ended December 31, 2004. We hereby consent to the incorporation by reference of said report in the Registration Statement of J & J Snack Foods Corp. on Form S-8 (File No. 333-111292, effective December 18, 2003, File No. 333-94795, effective January 18, 2000, File No. 333-03833, effective May 16, 1996, File No. 33-87532, effective December 16, 1994, File No. 33-50036, effective July 24, 1992 and File No. 033-11353, effective January 15, 1987).

/s/ GRANT THORNTON LLP
Philadelphia, Pennsylvania
June 23, 2005

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

J & J Snack Foods Corp.
401(k) Profit Sharing Plan

Date: July 12, 2005

/s/ Dennis G. Moore

Dennis G. Moore
Plan Administrator