

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-QSB

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2001
Commission File No. 0-22307

SENESCO TECHNOLOGIES, INC.

(Exact Name of Small Business Issuer as Specified in Its Charter)

Delaware

84-1368850

(State or Other Jurisdiction of
Incorporation or Organization)

(I.R.S. Employer Identification No.)

303 George Street, Suite 420, New Brunswick, NJ

08901

(Address of Principal Executive Offices)

(Zip Code)

(732) 296-8400

(Issuer's Telephone Number, Including Area Code)

Check whether the Issuer: (1) filed all reports required to be filed by
Section 13 or 15(d) of the Securities Exchange Act of 1934 during the past 12
months (or for such shorter period that the registrant was required to file such
reports), and (2) has been subject to such filing requirements for the past 90
days.

Yes: X

No: _____

State the number of shares outstanding of each of the Issuer's classes of
common stock, as of September 30, 2001:

Class

Number of Shares

Common Stock, \$.01 par value

7,872,626

Transitional Small Business Disclosure Format (check one):

Yes: _____

No: X

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

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PART I. FINANCIAL INFORMATION.

ITEM 1. FINANCIAL STATEMENTS.

Certain information and footnote disclosures required under generally accepted accounting principles have been condensed or omitted from the following consolidated financial statements pursuant to the rules and regulations of the Securities and Exchange Commission. However, Senesco Technologies, Inc., a Delaware corporation (the "Company"), and its wholly-owned subsidiary, Senesco, Inc., a New Jersey corporation ("Senesco"), believe that the disclosures are adequate to assure that the information presented is not misleading in any material respect.

The results of operations for the interim periods presented herein are not necessarily indicative of the results to be expected for the entire fiscal year.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

(A DEVELOPMENT STAGE COMPANY)

CONDENSED CONSOLIDATED BALANCE SHEET

	September 30, 2001 ----- (unaudited)	June 30, 2001 -----
ASSETS -----		
CURRENT ASSETS:		
Cash.....	\$ 38,158	\$ 14,330
Prepaid expenses and other current assets.....	24,188	15,554
	-----	-----
Total Current Assets.....	62,346	29,884
Property and equipment, net.....	73,391	78,757
Intangible assets, net.....	197,152	157,920
Security deposit.....	7,187	7,187
	-----	-----
TOTAL ASSETS.....	\$ 340,076 =====	\$ 273,748 =====
 LIABILITIES AND STOCKHOLDERS' DEFICIENCY -----		
CURRENT LIABILITIES:		
Accounts payable.....	\$ 129,343	\$ 168,922
Accrued expenses.....	319,066	265,732
Notes payable.....	400,000	--
	-----	-----
Total Current Liabilities.....	848,409	434,654
Grant payable.....	45,807	45,807
	-----	-----
TOTAL LIABILITIES.....	894,216	480,461
	-----	-----
STOCKHOLDERS' DEFICIENCY:		
Preferred stock, authorized 5,000,000 shares, \$0.01 par value, no shares issued.....	--	--
Common stock, authorized 20,000,000 shares, \$0.01 par value, 7,872,626 shares issued and outstanding.....	78,726	78,726
Capital in excess of par.....	5,452,807	5,469,758
Deficit accumulated during the development stage.....	(5,992,177)	(5,490,902)
Deferred compensation related to issuance of options and warrants.....	(93,496)	(264,295)
	-----	-----
Total Stockholders' Deficiency.....	(554,140)	(206,713)
	-----	-----
TOTAL LIABILITIES AND STOCKHOLDERS' DEFICIENCY.....	\$ 340,076 =====	\$ 273,748 =====

See Notes to Condensed Consolidated Financial Statements.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

(A DEVELOPMENT STAGE COMPANY)

CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS

(unaudited)

	For the Three Months Ended September 30, 2001 -----	For the Three Months Ended September 30, 2000 -----	From Inception on July 1, 1998 through September 30, 2001 -----
Operating expenses:			
General and administrative.....	\$ 280,719	\$ 334,434	\$ 3,999,640
Research and development.....	63,155	117,118	1,192,540
Non-cash charges for options and warrants issued in exchange for services.....	153,848 -----	71,020 -----	879,920 -----
Total operating expenses.....	497,722	522,572	6,072,100
 Sale of state income tax loss.....	 --	 --	 (60,331)
Interest expense (income), net.....	3,553 -----	(16,282) -----	(19,592) -----
Net Loss.....	\$ (501,275) =====	\$ (506,290) =====	\$ (5,992,177) =====
 Basic and diluted net loss per common share.....	 \$ (0.06) =====	 \$ (0.06) =====	
 Basic and diluted weighted average number of common shares outstanding.....	 7,872,626 =====	 7,872,626 =====	

See Notes to Condensed Consolidated Financial Statements.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

 (A DEVELOPMENT STAGE COMPANY)

 CONDENSED CONSOLIDATED STATEMENT OF

 STOCKHOLDERS' EQUITY (DEFICIENCY)

 FROM INCEPTION ON JULY 1, 1998 THROUGH SEPTEMBER 30, 2001

 (unaudited)

	Common Stock		Capital in Excess of Par Value	Deficit Accumulated During the Development Stage	Deferred Compensation Related to the Issuance of Options and Warrants	Total
	Shares	Amount				
Common stock outstanding.....	1,999,796	\$ 19,998	\$ (19,998)	--	--	--
Contribution of capital.....	--	--	85,179	--	--	\$ 85,179
Issuance of common stock in reverse merger on January 22, 1999 at \$0.01 per share.....	3,400,000	34,000	(34,000)	--	--	--
Issuance of common stock for cash on May 21, 1999 at \$2.63437 per share.....	759,194	7,592	1,988,390	--	--	1,995,982
Issuance of common stock for placement fees on May 21, 1999 at \$0.01 per share.....	53,144	531	(531)	--	--	--
Fair market value of options and warrants granted on September 7, 1999.....	--	--	252,578	--	\$ (72,132)	180,446
Fair market value of warrants granted on October 1, 1999.....	--	--	171,400	--	(108,600)	62,800
Fair market value of warrants granted on December 15, 1999....	--	--	331,106	--	--	331,106
Issuance of common stock for cash on January 26, 2000 at \$2.867647 per share.....	17,436	174	49,826	--	--	50,000
Issuance of common stock for cash on January 31, 2000 at \$2.87875 per share.....	34,737	347	99,653	--	--	100,000

(continued)

See Notes to Condensed Consolidated Financial Statements.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

 (A DEVELOPMENT STAGE COMPANY)

 CONDENSED CONSOLIDATED STATEMENT OF

 STOCKHOLDERS' EQUITY (DEFICIENCY)

 FROM INCEPTION ON JULY 1, 1998 THROUGH SEPTEMBER 30, 2001

 (unaudited)

	Common Stock		Capital in	Deficit	Deferred	
			Excess of Par	Accumulated	Compensation	
			Value	During the	Related to the	
				Development	Issuance of	
				Stage	Options and	
					Warrants	Total
	Shares	Amount				
	-----	-----	-----	-----	-----	-----
Issuance of common stock for cash on February 4, 2000 at \$2.934582 per share.....	85,191	852	249,148	--	--	250,000
Issuance of common stock for cash on March 15, 2000 at \$2.527875 per share.....	51,428	514	129,486	--	--	130,000
Issuance of common stock for cash on June 22, 2000 for \$1.50 per share.....	1,471,700	14,718	2,192,833	--	--	2,207,551
Commissions, legal and bank fees associated with issuances for the year ended June 30, 2000....	--	--	(260,595)	--	--	(260,595)
Fair market value of warrants granted on October 2, 2000.....	--	--	80,700	--	--	80,700
Fair market value of warrants granted on September 4, 2001....	--	--	41,800	--	--	41,800
Change in fair market value of options and warrants granted....	--	--	95,832	--	87,236	183,068
Net loss.....	--	--	--	(5,992,177)	--	(5,992,177)
	-----	-----	-----	-----	-----	-----
Balance at September 30, 2001...	7,872,626	\$ 78,726	\$ 5,452,807	\$ (5,992,177)	\$ (93,496)	\$ (554,140)
	=====	=====	=====	=====	=====	=====

See Notes to Condensed Consolidated Financial Statements.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

(A DEVELOPMENT STAGE COMPANY)

CONDENSED CONSOLIDATED STATEMENT OF CASH FLOWS

(unaudited)

	For the Three Months Ended September 30, 2001 -----	For the Three Months Ended September 30, 2000 -----	From Inception on July 1, 1998 through September 30, 2001 -----
Cash flows used in operating activities:			
Net loss.....	\$(501,275)	\$ (506,290)	\$(5,992,177)
Adjustments to reconcile net loss to net cash used in operating activities:			
Noncash capital contribution.....	--	--	85,179
Issuance of stock options and warrants for services.....	153,848	71,020	879,920
Depreciation and amortization.....	5,366	4,516	52,243
(Increase) decrease in operating assets:			
Prepaid expense and other current assets.....	(8,634)	7,548	(24,188)
Security deposit.....	--	--	(7,187)
Increase (decrease) in operating liabilities:			
Accounts payable.....	(39,579)	15,406	129,343
Accrued expenses.....	53,334	(16,778)	319,066
	-----	-----	-----
Net cash used in operating activities.....	(336,940)	(424,578)	(4,557,801)
	-----	-----	-----
Cash flows from investing activities:			
Patent costs.....	(39,232)	(1,643)	(207,169)
Purchase of property and equipment.....	--	(2,163)	(115,617)
	-----	-----	-----
Net cash used in investing activities.....	(39,232)	(3,806)	(322,786)
	-----	-----	-----
Cash flows provided from financing activities:			
Proceeds from grant.....	--	--	45,807
Proceeds from issuance of notes.....	400,000	--	400,000
Proceeds from issuance of common stock, net.....	--	--	4,472,938
	-----	-----	-----
Cash flows provided by financing activities.....	400,000	--	4,918,745
	-----	-----	-----
Net increase (decrease) in cash.....	23,828	(428,384)	38,158
Cash at beginning of period.....	14,330	1,555,749	--
	-----	-----	-----
Cash at end of period.....	\$ 38,158	\$1,127,365	\$ 38,158
	=====	=====	=====
Supplemental disclosure of cash flow information:			
Cash paid during the period for interest.....	\$ --	\$ --	\$ 22,317
	=====	=====	=====

See Notes to Condensed Consolidated Financial Statements.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

(A DEVELOPMENT STAGE COMPANY)

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(unaudited)

NOTE 1 - BASIS OF PRESENTATION:

The financial statements included herein have been prepared by the Company, without audit, pursuant to the rules and regulations of the Securities and Exchange Commission. Certain information and footnote disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles have been condensed or omitted pursuant to such rules and regulations. These condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Company's Annual Report on Form 10-KSB for the year ended June 30, 2001.

In the opinion of the Company's management, the accompanying unaudited condensed consolidated financial statements contain all adjustments, consisting solely of those which are of a normal recurring nature, necessary to present fairly its financial position as of September 30, 2001 and as of June 30, 2001, the results of its operations and cash flows for the three month periods ended September 30, 2001 and 2000, and for the period from inception on July 1, 1998 through September 30, 2001.

Interim results are not necessarily indicative of results for the full fiscal year.

Senesco is a development stage company that was organized to commercially exploit technology acquired and developed in connection with the identification and characterization of genes which control the aging (senescence) of all flowers, fruits and vegetables (plant tissues), increase crop production (yield) in horticultural and agronomic crops and reduce the harmful effects of environmental stress.

NOTE 2 - LOSS PER SHARE:

Net loss per common share is computed by dividing the loss by the weighted average number of common shares outstanding during the period. Since September 7, 1999, the Company has had outstanding options and warrants to purchase its common stock, \$0.01 par value per share (the "Common Stock"), however, shares to be issued upon the exercise of options and warrants are not included in the computation of diluted loss per share as their effect is anti-dilutive.

SENESCO TECHNOLOGIES, INC. AND SUBSIDIARY

(A DEVELOPMENT STAGE COMPANY)

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(unaudited)

NOTE 3 - SIGNIFICANT EVENTS:

During the period from July 10, 2001 through September 30, 2001, the Company issued three (3) unsecured promissory notes payable to Christopher Forbes, a director of the Company, in the aggregate principal amount of \$300,000 and issued one (1) unsecured promissory note payable to Thomas C. Quick, a director of the Company, in the principal amount of \$100,000 (collectively, the "Notes"). The Notes bear interest at an annual rate equal to the prime rate on the date that the Notes were issued (6.50% to 6.75%), and such interest is payable upon maturity of the Notes. The Notes and accrued interest are due on January 15, 2002.

In connection with the hiring of Mr. Galton, the Company's new President and Chief Executive Officer, the Company issued to Christenson, Hutchinson, McDowell, LLC, an executive management recruiter, a five (5) year warrant, effective September 4, 2001, to purchase twenty thousand (20,000) shares of its Common Stock at an exercise price of \$0.01 per share, with such warrant being fully vested on the date of grant.

NOTE 4 - SUBSEQUENT EVENTS:

On October 4, 2001, the Board of Directors unanimously approved the grant of (i) options to purchase one million one hundred thirty-six thousand (1,136,000) shares of the Company's Common Stock, of which four hundred ninety-one thousand (491,000) shares were issued at a weighted average exercise price equal to \$2.76 and the remaining options to purchase six hundred forty-five thousand (645,000) shares will be issued on December 1, 2001 at an exercise price equal to the closing price of the Company's Common Stock as quoted on the NASD OTC Bulletin Board on November 30, 2001 and (ii) warrants to purchase an aggregate of an additional one hundred sixty thousand (160,000) shares of the Company's Common Stock at a weighted average exercise price equal to \$1.79. The effective date of the above grants are from October 2, 2001 through December 1, 2001.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND PLAN OF OPERATION.

OVERVIEW

Business of the Company

Senesco Technologies, Inc. (the "Company") is a Delaware corporation and its business is currently operated through its wholly-owned subsidiary, Senesco, Inc., a New Jersey corporation ("Senesco"). The primary business of the Company is the research, development and commercial exploitation of a potentially significant platform technology involving the identification and characterization of genes that the Company believes control the aging (senescence) of plant cells and may also control the programmed cell death (apoptosis) of mammalian cells. The Company's technology goals for plant applications are to: (i) extend the shelf-life of perishable plant products; (ii) produce larger and more leafy crops; (iii) increase crop production (yield) in horticultural and agronomic crops; and (iv) reduce the harmful effects of environmental stress.

Senescence in plant tissues is the natural aging of these tissues. Loss of cellular membrane integrity is an early event during the senescence of all plant tissues that prompts the deterioration of fresh flowers, fruits and vegetables. This loss of integrity, which is attributable to the formation of lipid metabolites in membrane bilayers that "phase-separate," causes the membranes to become "leaky." A decline in cell function ensues, leading to deterioration and eventual death (spoilage) of the tissue. A delay in senescence increases shelf-life and extends the plant's growth timeframe, which allows the plant to devote more time to the photosynthetic process. The Company has shown that the additional energy gained in this period leads directly to increased seed production, and therefore increases crop yield. Seed production is a vital agricultural function. For example, oil-bearing crops store oil in their seeds. The Company has also shown that delaying senescence allows the plant to allocate more energy toward growth, leading to larger plants (increased biomass) and more leafy crops. Most recently, the Company has demonstrated that delaying senescence results in crops which exhibit increased resilience to water deprivation. Drought resistant crops may ultimately be more cost effective due to reduced loss in the field and less time spent on crop management.

The technology presently utilized by the industry for increasing the shelf-life in certain flowers, fruits and vegetables relies on reducing ethylene biosynthesis, and hence only has application to a limited number of plants that are ethylene-sensitive.

The Company's technology is novel in that its research and development focuses on the discovery and development of new gene technologies, which are designed to confer positive traits on fruits, flowers, vegetables, forestry species and agronomic crops. To date, the Company has isolated and characterized the senescence-induced lipase gene, deoxyhypusine synthase ("DHS") gene and Factor 5A gene in certain species of plants. The Company's goal is to inhibit the expression of (or silence) these genes to delay senescence, which will in turn extend shelf-life, increase biomass, increase yield, and increase resistance to environmental stress, thereby demonstrating "proof of concept" in each category of crop. The Company then plans to license the technology to strategic partners and/or enter into joint ventures.

The Company is currently working with tomato, canola, Arabidopsis (a model plant which produces oil in a manner similar to canola) and banana plants, and has obtained "proof of concept" for the lipase and DHS genes in several of these plants. Near-term research and development initiatives include: (i) silencing the Factor 5A gene in these four (4) types of plants; and (ii) further propagation of transformed plants with the Company's silenced genes. Additionally, the Company has isolated the DHS and Factor 5A genes in mammalian tissue. The Company is assessing the function of these genes in animals and humans through the accumulation of additional experimental data. The Company has also completed its research and development initiative in carnation flower, which yielded a 100% increase in shelf-life through the inhibition of the DHS reaction.

Subsequent initiatives include: (i) expanding the lipase, DHS and Factor 5A gene technology into a variety of other commercially viable agricultural crops such as lettuce and melon; (ii) developing transformed plants that possess new beneficial traits such as increased tolerance to disease and environmental stress; and (iii) assessing the function of the DHS and Factor 5A genes in mammalian tissue. The Company's strategy focuses on various plants to allow flexibility that will accommodate different plant reproduction strategies among the various sectors of the broad agricultural and horticultural markets. There can be no assurance, however, that the Company's research and development efforts will be successful, or if successful, that the Company will be able to commercially exploit its technology.

The Company's research and development is performed by third party researchers at the direction of the Company pursuant to various research agreements. The primary research and development effort takes place at The University of Waterloo in Ontario, Canada, where the technology was developed. Additional research and development is performed at the University of California, Davis as well as through the Company's Joint Venture (as defined below) with Rahan Meristem Ltd. in Israel.

Agricultural Target Markets

The Company's technology embraces crops that are reproduced both through seeds and propagation, which are the only two means of commercial crop reproduction. Propagation is a process whereby the plant does not produce fertile seeds and must reproduce through cuttings from the parent plant which are planted and become new plants. In order to address the complexities associated with marketing and distribution in the worldwide produce market, the Company has adopted a multi-faceted commercialization strategy, in which it plans to enter into licensing agreements or other strategic relationships with a variety of companies on a crop-by-crop basis. On May 14, 2001, the Company signed a non-binding letter of intent with Harris Moran Seed Company to enter into a worldwide exclusive license to commercialize its technology in lettuce, cantaloupe and honeydew melons. The letter of intent provides that the Company would receive \$4,000,000 in development payments over a multi-year period. The letter of intent also provides for royalty payments to the Company upon commercial introduction. Consistent with the Company's commercialization strategy, it intends to attract other companies interested in strategic partnerships or licensing its technology. The proposed Harris Moran licensing arrangement and the joint venture with Rahan Meristem Ltd. are steps toward the execution of its strategy. There can be no assurance, however, that the letter of intent with Harris

Moran Seed Company will result in an agreement or that the Company will be successful in attracting other companies willing to form strategic partnerships or license its technology. The Company also plans to enter into joint ventures with companies having well-established channels of distribution, and in such cases, the Company will have more direct control over commercialization activities.

Agricultural Marketing

Based upon the Company's multi-faceted commercialization strategy described above, it anticipates that there may be a significant period of time before plants enhanced using its technology reach consumers. Thus, the Company has not begun to actively market its technology directly to consumers, but rather, it has sought to establish itself within the industry through its advertising program in trade journals, newspapers, a national magazine, as well as through direct communication with prospective licensees.

Joint Venture

On May 14, 1999, the Company entered into a joint venture agreement with Rahan Meristem Ltd., an Israeli company ("Rahan"), engaged in the worldwide export marketing of banana germ-plasma (the "Joint Venture"). Rahan accounts for approximately ten percent (10%) of the worldwide export of banana seedlings. The Company has contributed, by way of a limited, exclusive, world-wide license to the Joint Venture, access to its technology, discoveries, inventions and know-how (patentable or otherwise), pertaining to plant genes and their cognate expressed proteins that are induced during senescence (plant aging) for the purpose of developing, on a joint basis, genetically enhanced banana plants which will result in a "longer shelf-life" banana. Rahan has contributed its technology, inventions and know-how with respect to banana plants. The Joint Venture is equally owned by each of the parties. There can be no assurance, however, that the Company's Joint Venture will be successful, or if successful, that the Company will be able to commercially exploit its technology.

The Joint Venture applied for and received a conditional grant that totals approximately \$340,000, which constitutes 50% of the Joint Venture's research and development budget over a four year period, from the Israel - U.S. Binational Research and Development (the "BIRD") Foundation (the "BIRD Grant"). Such grant, along with certain royalty payments, shall only be repaid to the BIRD Foundation upon the commercial success of the Joint Venture's technology. The commercial success is measured based upon certain benchmarks and/or milestones achieved by the Joint Venture. These benchmarks are reported periodically to the BIRD Foundation by the Joint Venture. As of September 30, 2001, Senesco has directly received a total of \$45,807, none of which was received during the current quarter, from the BIRD Foundation for research and development expenses the Company has incurred which are associated with the research and development efforts of the Joint Venture. The Company expects to receive additional installments of the BIRD Grant as its expenditures associated with the Joint Venture increase above certain levels. As of September 30, 2001, the Company's portion of the Joint Venture's expenses totaled approximately \$140,000.

All aspects of the Joint Venture's research and development initiative are proceeding on time, or are ahead of the original schedule laid out at the inception of the Joint Venture. Both the DHS and lipase genes have been identified and isolated in banana, and the Joint Venture is currently in the process of silencing these genes. Once silenced, the goal is to transform banana plants, thereby yielding fruit with extended shelf-life and plants which are more tolerant to disease and environmental stress.

INTELLECTUAL PROPERTY

Research and Development

The inventor of the Company's technology, John E. Thompson, Ph.D., is the Associate Vice-President, Research and former Dean of Science at the University of Waterloo in Waterloo, Ontario and is the Executive Vice President of Research and Development of the Company. Dr. Thompson is also a director and stockholder of the Company and owns 10.8% of the outstanding shares of the Company's Common Stock as of September 30, 2001. Senesco entered into a three-year research and development agreement, dated as of September 1, 1998 (the "Research and Development Agreement"), with the University of Waterloo and Dr. Thompson as the principal inventor. The Research and Development Agreement provides that the University of Waterloo will perform research and development under the direction of Senesco, and Senesco will pay for the cost of this work and make certain payments totaling approximately CDN\$1,250,000 (as specified therein). As of September 30, 2001, such amount represented approximately US \$783,000. In return for these payments, the Company has all rights to the intellectual property derived from the research. Effective September 1, 2001, the Company extended the Research and Development Agreement for an additional one-year period in the amount of CDN\$433,700. As of September 30, 2001, such amount represented approximately US \$275,000. During the three (3) month periods ended September 30, 2001 and September 30, 2000, the Company has spent approximately \$47,128 and \$79,150, respectively, in connection with the Research and Development Agreement.

Effective May 1, 1999, the Company entered into a consulting agreement for research and development with Dr. Thompson. On July 1, 2001, the Company and Dr. Thompson renewed the consulting agreement for an additional three (3) year term as provided for under the terms and conditions of the agreement. This agreement provides for monthly payments of \$3,000 through June 2004. The agreement shall automatically renew for an additional three (3) year term, unless either of the parties provides the other with written notice within six (6) months of the end of the term.

The Company's future research and development program focuses on the discovery and development of new gene technologies which aim to extend shelf-life and to confer other positive traits on fruits, flowers, vegetables and agronomic row crops and on the commencement of additional mammalian cell research. Over the next twelve (12) months, the Company plans the following research and development initiatives: (i) the development of transformed plants that possess new beneficial traits, such as protection against drought and disease, with emphasis on lettuce, melon, corn, forestry products and the other species noted in (ii) through (iv); (ii) the development of enhanced banana plants through the Joint Venture with Rahan; (iii) the isolation

of new genes in the Arabidopsis, tomato, lettuce, soybean, rape seed (canola) and melon plants, among others, at the University of Waterloo; and (iv) assessing the function of the DHS and Factor 5A genes in mammalian tissue. The Company may further expand its research and development initiative beyond the initiatives listed above.

Patent Applications

Dr. Thompson and his colleagues, Dr. Yuwen Hong and Dr. Katalin Hudak, filed a patent application on June 26, 1998 (the "Original Patent Application") to protect their invention, which is directed to methods for controlling senescence in plants. By assignment dated June 25, 1998 and recorded with the United States Patent and Trademark Office (the "PTO"), on June 26, 1998, Drs. Thompson, Hong and Hudak assigned all of their rights in and to the Original Patent Application and any other applications filed in the United States or elsewhere with respect to the invention and/or improvements thereto to Senesco, L.L.C. Senesco succeeded to the assignment and ownership of the Original Patent Application. Drs. Thompson, Hong and Hudak filed an amendment to the Original Patent Application on February 16, 1999 (the "Amended Patent Application" and together with the Original Patent Application, the "First Patent Application") titled "DNA Encoding A Plant Lipase, Transgenic Plants and a Method for Controlling Senescence in Plants." The Amended Patent Application serves as a continuation of the Original Patent Application. Concurrent with the filing of the Amended Patent Application with the PTO and as in the case of the Original Patent Application, Drs. Thompson, Hong and Hudak assigned all of their rights in and to the Amended Patent Application and any other applications filed in the United States or elsewhere with respect to such invention and/or improvements thereto to Senesco. Drs. Thompson, Hong and Hudak have received shares of restricted Common Stock of the Company in consideration for the assignment of the First Patent Application. The inventions, which were the subject of the First Patent Application, include a method for controlling senescence of plants, a vector containing a cDNA whose expression regulates senescence, and a transformed microorganism expressing the lipase of the cDNA. Management believes that the inventions provide a means for delaying deterioration and spoilage, which could greatly increase the shelf-life of fruits, vegetables, and flowers by silencing or substantially repressing the expression of the lipase gene induced coincident with the onset of senescence.

The Company filed a second patent application (the "Second Patent Application," and together with the First Patent Application, collectively, the "Patent Applications") on July 6, 1999, titled "DNA Encoding A Plant Deoxyhypusine Synthase, Transgenic Plants and A Method for Controlling Programmed Cell Death in Plants." The inventors named on the patent are Drs. John E. Thompson, Tzann-Wei Wang and Dongen Lily Lu. Concurrent with the filing of the Second Patent Application with the PTO and as in the case of the First Patent Application, Drs. Thompson, Wang and Lu assigned all of their rights in and to the Second Patent Application and any other applications filed in the United States or elsewhere with respect to such invention and/or improvements thereto to Senesco. Drs. Thompson, Wang and Lu have received options to purchase Common Stock of the Company in consideration for the assignments of the Second Patent Application. The inventions include a method for the genetic modification of plants to control the onset of either age-related or stress-induced senescence, an isolated DNA molecule encoding a senescence induced gene, and an isolated protein encoded by the DNA molecule.

The Company has broadened the scope of its intellectual property protection by utilizing the Patent Cooperation Treaty ("PCT") to facilitate international filing and prosecution of the First and Second Patent Applications. The First Patent Application was published through the PCT in August 2000, and then between August 2001 and October 2001 was filed in Australia, Canada, China, Japan, Korea, New Zealand and Europe through the European Patent Office ("EPO") which has twenty (20) member states. Israel is the last remaining country in which the Company opted to file that has yet to issue a filing date. The Second Patent Application was published by the PCT in January 2001.

The Company is in the process of drafting various patent applications for new aspects of the Company's senescence technology. The Company has filed several new Continuations in Part ("CIPs") on both the Original Patent Application and the Second Patent Application to ensure, on an ongoing basis that its intellectual property pertaining to new technological developments is appropriately protected.

There can be no assurance that patent protection will be granted with respect to all the foregoing Patent Applications, or any other applications, or that, if granted, the validity of such patents will not be challenged. Furthermore, there can be no assurance that claims of infringement upon the proprietary rights of others will not be made, or if made, could be successfully defended against.

Agricultural Market Competition and Industry Trends

The Company's competitors in the agricultural industry are primarily focused on research and development rather than commercialization. Those competitors which are presently attempting to distribute their technology have generally utilized one of the following commercialization distribution channels: (i) licensing technology to major marketing and distribution partners; (ii) distributing seedlings directly to growers; or (iii) entering into strategic alliances.

In addition, some competitors are owned by established produce distribution companies, which alleviates the need for strategic alliances, while others are attempting to create their own distribution and marketing channels.

The Company's competitors in the field of delaying plant senescence are companies that develop and produce transformed plants in which ethylene biosynthesis has been silenced. Such companies include, among others: Paradigm Genetics; AgrEvo; Bionova Holding Corporation; Renessen LLC; Exelixis Plant Sciences, Inc.; and Eden Bioscience.

The Company believes that its proprietary technology is unique and, therefore, places it at a competitive advantage in the industry. However, there can be no assurance that the Company's competitors will not develop a similar product with properties superior to its own or at greater cost-effectiveness.

Government Regulation

At present, the U.S. federal government regulation of biotechnology is divided among three agencies. The U.S. Department of Agriculture (the "USDA") regulates the import, field-testing and interstate movement of specific types of genetic engineering that may be used in the creation of transformed plants. The Environmental Protection Agency (the "EPA") regulates activity related to the invention of plant pesticides and herbicides, which may include certain kinds of transformed plants. The Food and Drug Administration (the "FDA") regulates foods derived from new plant varieties. The FDA requires that transformed plants meet the same standards for safety that are required for all other plants and foods in general. Except in the case of additives that significantly alter a food's structure, the FDA does not require any additional standards or specific approval for genetically engineered foods but expects transformed plant developers to consult the FDA before introducing a new food into the market place.

The Company believes that its current activities, which to date have been confined to research and development efforts, do not require licensing or approval by any governmental regulatory agency. The Company may be required, however, to obtain such licensing or approval from governmental regulatory agencies prior to the commercialization of its transformed plants. There can be no assurance that such licensing or approval by any governmental regulatory agency will be obtained in a timely manner, if at all. In addition, government regulations are subject to change and, in such event, the Company may be subject to additional regulations or require such licensing or approval in the future.

Employees

In addition to the scientists performing funded research for the Company at the University of Waterloo, as of September 30, 2001, the Company had four (4) employees and three (3) consultants, five (5) of whom were executive officers and were involved in the management of the Company. On October 4, 2001, John E. Thompson, Ph.D., the Company's Executive Vice President of Research and Development, was elected to the Board of Directors and Phillip O. Escaravage, the Company's Vice Chairman, stepped down as a director. Additionally, on October 4, 2001, Bruce C. Galton was appointed President and Chief Executive Officer of the Company. In connection with Mr. Galton's appointment, Ruedi Stalder stepped down as Chief Executive Officer and Steven Katz stepped down as President and Chief Operating Officer of the Company. Mr. Stalder continues to serve as the Chairman and a director and Mr. Katz continues to serve as a director. After the Company's management restructuring on October 4, 2001, the Company had five (5) employees and three (3) consultants, four (4) of whom were executive officers and were involved in the management of the Company.

The officers are assisted by a Scientific Advisory Board made up of prominent experts in the field of transformed plants. Alan Bennett, Ph.D. is the Associate Dean of the College of Agricultural and Environmental Sciences at the University of California, Davis. His research interests include: the molecular biology of tomato fruit development and ripening; the molecular basis of membrane transport; and cell wall disassembly. A. Carl Leopold, Ph.D., and William R. Woodson, Ph.D. were the other members of the Scientific Advisory Board. Dr. Leopold served as Chairman of the Scientific Advisory Board. He is currently a member and a W.H. Crocker

Scientist Emeritus of the Boyce Thompson Institute for Plant Research at Cornell University. Dr. Leopold has held numerous academic appointments and memberships, including staff member of the Science and Technology Policy Office during the Nixon and Ford Administrations, and positions with the National Science Foundation and the National Aeronautics and Space Administration. Dr. Woodson is the Associate Dean of Agriculture and Director of Agricultural Research Programs at Purdue University. He has been a visiting professor at many universities worldwide including the John Innis Institute in England and the Weizmann Institute of Science in Israel. Dr. Woodson is a world-recognized expert in horticultural science and serves on numerous international and national committees and professional societies. Due to the expanding scope of the Company's research and development program, the Company is recruiting scientists with a broader field of expertise than currently exists on the Scientific Advisory Board. In connection with this recruitment effort, Drs. Leopold and Woodson stepped down from the Scientific Advisory Board on October 31, 2001.

In addition to his service on the Scientific Advisory Board, the Company utilizes Dr. Bennett as a consultant experienced in plant transformation. The Company entered into a one-year consulting agreement for research and development with Dr. Bennett, which expired on July 15, 2000. Dr. Bennett has continued to provide services to the Company since July 15, 2000 and is currently negotiating a new agreement with the Company.

Furthermore, pursuant to the Research and Development Agreement, the majority of the Company's research and development activities are conducted at the University of Waterloo under the supervision of Dr. Thompson. The Company utilizes the University's substantial research staff including graduate and post-graduate researchers.

The Company may hire additional employees over the next twelve (12) months to meet needs created by possible expansion of its marketing activities and product development.

Safe Harbor Statement

Certain statements included in this Form 10-QSB, including, without limitation, statements regarding the anticipated growth in the markets for the Company's services, the continued development of the Company's genetic technology, the approval of the Company's Patent Applications, the possibility of governmental approval in order to sell or offer for sale to the general public a genetically engineered plant or plant product, the successful implementation of the Joint Venture with Rahan, the success of the Research and Development Agreement, statements relating to the Company's Patent Applications, the anticipated longer term growth of the Company's business, and the timing of the projects and trends in future operating performance, are forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. The factors discussed herein and others expressed from time to time in the Company's filings with the Securities and Exchange Commission could cause actual results and developments to be materially different from those expressed in or implied by such statements. The Company does not undertake to update any forward-looking statements.

LIQUIDITY AND CAPITAL RESOURCES

Overview

As of September 30, 2001, the Company's cash balance was \$38,158, and the Company had a working capital deficit of \$786,063. As of September 30, 2001, the Company had a federal tax loss carry-forward of approximately \$4,370,000 and a state tax loss carry-forward of approximately \$3,640,000 to off-set future taxable income. There can be no assurance, however, that the Company will be able to take advantage of any or all of such tax loss carry-forwards, if at all, in future fiscal years.

Financing Needs

To date, the Company has not generated any revenues. The Company has not been profitable since inception, may incur additional operating losses in the future, and will require additional financing to continue the development and subsequent commercialization of its technology. While the Company does not expect to generate significant revenues in the near future, the Company may enter into licensing or other agreements with marketing and distribution partners that may result in license fees, revenues from contract research, or other related revenue.

The Company expects its capital requirements to increase significantly over the next several years as it commences new research and development efforts, undertakes new product developments, increases marketing and administration infrastructure and embarks on developing in-house business capabilities and facilities. The Company's future liquidity and capital funding requirements will depend on numerous factors, including, but not limited to, the levels and costs of the Company's research and development initiatives and the cost and timing of the expansion of the Company's marketing efforts.

During the period from July 10, 2001 through November 9, 2001, the Company issued six (6) unsecured promissory notes (the "Notes") payable to certain directors of the Company in the aggregate principal amount of \$525,000. The Notes bear interest at an annual rate equal to the prime rate on the date that the Notes were issued (5.50% to 6.75%), and such interest is payable upon maturity of the Notes. The Notes and accrued interest are due on January 15, 2002. All other terms of the Notes are substantially similar.

On May 14, 2001, the Company signed a letter of intent with Harris Moran Seed Company to enter into a worldwide exclusive license to commercialize the Company's technology in lettuce, cantaloupe and honeydew melons. The letter of intent provides that the Company would receive \$4,000,000 in development payments over a multi-year period. The letter of intent also provides for royalty payments to the Company upon commercial introduction. Consistent with the Company's commercialization strategy, the Company intends to attract other companies interested in strategic partnerships or licensing the Company's technology. There can be no assurance, however, that the Company's letter of intent with Harris Moran Seed Company will result in an agreement or that the Company will be successful in attracting other companies willing to form strategic partnerships or license its technology.

Pursuant to the New Jersey Technology Tax Credit Transfer Program (the "Program"), the Company has applied to the New Jersey Economic Development Authority (the "EDA") to sell the Company's June 30, 2000 New Jersey net operating loss tax benefit of approximately \$163,000. Although the Company received approval and sold its New Jersey net operating loss tax benefit for the year ended June 30, 1999, there can be no assurance that the Company will be approved to participate in the program for the year ended June 30, 2000, or if approved, that the Company will be able to sell all or part of the June 30, 2000 New Jersey net operating loss tax benefit.

In October 2001, the Company received \$11,076 from the BIRD Foundation for research and development expenses that the Company has incurred in connection with the Joint Venture. The Company anticipates receiving additional funds from the BIRD Grant in the future to assist in funding its Joint Venture.

On October 4, 2001, the Board of Directors unanimously approved the grant of options to purchase one million one hundred thirty-six thousand (1,136,000) shares of the Company's Common Stock and warrants to purchase one hundred sixty thousand (160,000) shares of the Company's Common Stock. The effective date of these grants covers the period between October 2, 2001 and December 1, 2001. The exercise of these options and warrants would generate some cash flow for the Company, however, it may also have a material adverse effect on the Company's stock price.

The Company believes it has sufficient cash on hand to support its operating plan through approximately the end of November 2001. However, the Board of Directors has made an oral commitment to fund the Company's operations for a non-specified short-term period. Over the next twelve (12) months, the Company plans to fund its research and development and commercialization activities by raising additional capital through the issuance and sale of equity securities and the consummation of licensing agreements for the Company's technology. The Company is currently in the process of negotiating the issuance and sale of restricted equity securities with certain investors at a discount to the public registration market price with certain rights. However, there can be no assurance that the Company will be able to complete these negotiations, be able to obtain additional financing, or enter into licensing agreements in the near term on terms acceptable to the Company.

RESULTS OF OPERATIONS

Three Months Ended September 30, 2001 and Three Months Ended September 30, 2000

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The Company is a development stage company. From its inception of operations on July 1, 1998 through September 30, 2001, the Company had no revenues. Operating expenses in each of the three month periods ended September 30, 2001 and September 30, 2000 were comprised of general and administrative expenses, research and development expenses and non-cash advertising, consulting and professional costs. Operating expenses for the three month periods ended September 30, 2001 and September 30, 2000 were \$497,722 and \$522,572, respectively, a decrease of \$24,850, or 4.8%.

General and administrative expenses in each of the three month periods ended September 30, 2001 and September 30, 2000 consisted primarily of professional salaries and benefits, depreciation and amortization, professional and consulting services, office rent and corporate insurance. General and administrative expenses were \$280,719 for the three month period ended September 30, 2001 and \$334,434 for the three month period ended September 30, 2000. The decrease during the three month period ended September 30, 2001 of \$53,715, or 16.1%, from the corresponding three month period ended September 30, 2000, resulted primarily from decreases in professional fees, investor relations expenses, office rent and corporate insurance which were partially offset by an increase in payroll expenses.

Research and development expenses in each of the three month periods ended September 30, 2001 and September 30, 2000 consisted primarily of professional salaries and benefits, fees associated with the Research and Development Agreement, direct expenses charged to research and development projects and allocated overhead charged to research and development projects. Research and development expenses for the three month periods ended September 30, 2001 and September 30, 2000 were \$63,155 and \$117,118, respectively. The decrease during the three month period ended September 30, 2001 of \$53,963, or 46.1%, from the corresponding three month period ended September 30, 2000, resulted primarily from a reconciling adjustment for the period from June 1, 2000 through August 31, 2001 in connection with the Research and Development Agreement with the University of Waterloo, a reduction in the amount of consulting fees incurred for Dr. Bennett due to the expiration of his consulting agreement and a reduction in the amount of fees incurred for the Scientific Advisory Board.

Non-cash charges for options and warrants issued in exchange for services for the three month periods ended September 30, 2001 and September 30, 2000 were \$153,848 and \$71,020, respectively. Such costs consisted primarily of non-employee stock options and warrants granted as consideration for certain advertising, consulting and professional costs. The increase during the three month period ended September 30, 2001 of \$82,828, or 116.6%, from the corresponding three month period ended September 30, 2000, resulted primarily from the issuance of warrants for professional services on September 4, 2001.

Period From Inception on July 1, 1998 through September 30, 2001

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The Company is a development stage company. From inception through September 30, 2001, the Company had no revenues.

The Company has incurred losses each year since inception and has an accumulated deficit of \$5,992,177 at September 30, 2001. The Company expects to continue to incur losses over, approximately, the next two to three years from expenditures on research, product development, marketing and administrative activities.

The Company does not expect to generate significant revenues for approximately the next two years during which the Company will engage in significant research and development efforts. However, on May 14, 2001, the Company signed a letter of intent with Harris Moran Seed Company to enter into a worldwide exclusive license to commercialize the Company's technology in lettuce, cantaloupe and honeydew melons. The letter of intent provides that the Company would receive \$4,000,000 in development payments over a multi-year period. The letter of intent also provides for royalty payments to the Company upon commercial introduction. Consistent with the Company's commercialization strategy, the Company intends to attract other companies interested in strategic partnerships or licensing the Company's technology that may result in license fees, revenues from contract research, and other related revenues. There can be no assurance, however, that the Company's letter of intent with Harris Moran Seed Company will result in an agreement or that the Company will be successful in attracting other companies willing to form strategic partnerships or license its technology. Furthermore, no assurance can be given that the Company's research and development efforts will result in any commercially viable products, or that any licensing or other agreements with marketing and distribution partners will result in revenues sufficient to support the business. Successful future operations will depend on the Company's ability to transform its research and development activities into commercializable technology.

PART II. OTHER INFORMATION.

ITEM 2. CHANGES IN SECURITIES AND USE OF PROCEEDS.

Affiliates

On October 4, 2001, the Board of Directors unanimously approved the grant of options and warrants as described below:

The Company shall grant or has granted the following to Ruedi Stalder, a current director and former executive officer of the Company: (i) effective October 2, 2001, options to purchase seventy-five thousand (75,000) shares of the Company's Common Stock with an exercise price equal to \$1.50 per share, with all such options vesting on the date of grant; (ii) options to purchase one hundred fifty thousand (150,000) shares of the Company's Common Stock, effective November 1, 2001, with an exercise price equal to \$4.00 per share, with one-third (1/3) of such options vesting on the date of grant, one-third (1/3) of such options vesting on January 15, 2002 and one-third (1/3) of such options vesting on January 15, 2003; (iii) options to purchase sixty-five thousand (65,000) shares of the Company's Common Stock to be granted effective December 1, 2001, with an exercise price equal to the fair market value of the Company's Common Stock on such date, as defined in the Company's 1998 Stock Plan (the "Plan"), with all such options vesting on the date of grant (options shall be granted in lieu of receiving cash compensation for services provided as an officer of the Company during the period from January 1, 2000 through September 30, 2001); and (iv) options to purchase forty thousand (40,000) shares of the Company's Common Stock to be granted effective December 1, 2001, with an exercise price equal to the fair market value of the Company's Common Stock on such date, as defined in the Plan, with one-half (1/2) of such options vesting on the date of grant and one-half (1/2) of such options vesting on December 1, 2002.

The Company shall grant or has granted the following to Bruce C. Galton, the Company's President and Chief Executive Officer: (i) effective October 5, 2001, pursuant to the Plan, options to purchase an aggregate of one hundred thirty thousand (130,000) shares of the Company's Common Stock with an exercise price equal to \$2.10 per share, with one hundred thousand (100,000) of such options vesting on the date of grant and ten thousand (10,000) of such options vesting on each of October 31, 2001, November 30, 2001, and December 31, 2001; and (ii) effective December 1, 2001, options to purchase three hundred thousand (300,000) shares of the Company's Common Stock, with an exercise price equal to the fair market value of the Company's Common Stock on such date, as defined in the Plan, with one-third (1/3) of such options vesting on each of the first, second and third anniversaries of the date of grant.

The Company shall grant to John E. Thompson, Ph.D., the Executive Vice-President of Research and Development and a director of the Company, effective December 1, 2001, options to purchase eighty thousand (80,000) shares of the Company's Common Stock, with an exercise price equal to 110% of the fair market value of the Company's Common Stock on such date, as defined in the Plan, with one-third (1/3) of such options vesting on the date of grant and one-third (1/3) of such options vesting on each of the first and second anniversaries of the date of grant.

The Company shall grant to Christopher Forbes, a director of the Company, effective December 1, 2001, options to purchase forty thousand (40,000) shares of the Company's Common Stock, with an exercise price equal to the fair market value of the Company's Common Stock on such date, as defined in the Plan, and with one-half (1/2) of such options vesting on the date of grant and one-half (1/2) of such options vesting on December 1, 2002.

The Company shall grant to Thomas C. Quick, a director of the Company, effective December 1, 2001, options to purchase forty thousand (40,000) shares of the Company's Common Stock, with an exercise price equal to the fair market value of the Company's Common Stock on such date, as defined in the Plan, and with one-half (1/2) of such options vesting on the date of grant and one-half (1/2) of such options vesting on December 1, 2002.

The Company shall grant or has granted the following to Steven Katz, a director and former executive officer of the Company: (i) effective October 2, 2001, options to purchase twenty-five thousand (25,000) shares of the Company's Common Stock with an exercise price equal to \$1.50 per share, with all such options vesting on the date of grant; (ii) effective November 1, 2001, options to purchase fifty thousand (50,000) shares of the Company's Common Stock, with an exercise price equal to \$4.00 per share, with one-third (1/3) of such options vesting on the date of grant, one-third (1/3) of such options vesting on January 15, 2002 and one-third (1/3) of such options vesting on January 15, 2003; and (iii) options to purchase forty thousand (40,000) shares of the Company's Common Stock to be granted effective December 1, 2001, with an exercise price equal to the fair market value of the Company's Common Stock as defined in the Plan, with one-half (1/2) of such options vesting on the date of grant and one-half (1/2) of such options vesting on December 1, 2002.

The Company granted to Sascha Fedyszyn, the Vice-President of Corporate Development and Secretary of the Company, effective November 1, 2001, options to purchase ten thousand (10,000) shares of the Company's Common Stock, with an exercise price equal to \$2.15, with one-third (1/3) of such options vesting on the date of grant and one-third (1/3) of such options vesting on each of the first and second anniversaries of the date of grant.

The Company granted to Joel Brooks, the Chief Financial Officer and Treasurer of the Company, effective November 1, 2001, options to purchase fifteen thousand (15,000) shares of the Company's Common Stock, with an exercise price equal to \$2.15, with one-third (1/3) of such options vesting on the date of grant and one-third (1/3) of such options vesting on each of the first and second anniversaries of the date of grant.

Non-Affiliates

In connection with the hiring of Mr. Galton, the Company's new President and Chief Executive Officer, the Company issued to Christenson, Hutchinson, McDowell, LLC, an executive management recruiter, a five (5) year warrant, effective September 4, 2001, to purchase twenty thousand (20,000) shares of its Common Stock at an exercise price of \$0.01 per share, with such warrant being fully vested on the date of grant.

The Company granted to a former employee of the Company, effective November 1, 2001, options to purchase one thousand (1,000) shares of the Company's Common Stock, with an exercise price equal to \$2.15, with all such options vesting on the date of the grant.

The Company shall grant to a former director of the Company, effective December 1, 2001, options to purchase forty thousand (40,000) shares of the Company's Common Stock, with an exercise price equal to 110% of the fair market value of the Company's Common Stock as defined in the Plan, and with one-half (1/2) of such options vesting on the date of grant and one-half (1/2) of such options vesting on December 1, 2002.

The Company granted to a member of the Company's Scientific Advisory Board, effective November 1, 2001, options to purchase ten thousand (10,000) shares of the Company's Common Stock, with an exercise price equal to \$2.15, with all such options vesting on the date of the grant.

The Company granted to each of two (2) former members of the Company's Scientific Advisory Board, effective November 1, 2001, options to purchase an aggregate of twenty-five thousand (25,000) shares of the Company's Common Stock, with an exercise price equal to \$2.15, with all such options vesting on the date of the grant.

For services rendered, including providing the Company with advertising, introductions to strategic alliance partners and, from time to time, use of its office space, entertainment facilities and various other support services, the Company granted to a certain entity, effective as of November 1, 2001, a ten (10) year warrant to purchase eighty thousand (80,000) shares of the Company's Common Stock, at an exercise price equal to \$2.15 per share, the closing price of the Company's Common Stock as quoted on the NASD OTC Bulletin Board on October 31, 2001. The warrant shall vest as follows: one-third (1/3) on the date of grant and one-third (1/3) on each of the first and second anniversaries of the date of grant.

For investment advisory services rendered, the Company granted to certain individuals, effective as of October 15, 2001, seven (7) year warrants to purchase an aggregate of fifty thousand (50,000) shares of the Company's Common Stock, at an exercise price equal to \$1.00 per share. The warrants shall vest as follows: one-third (1/3) on the date of grant and one-third (1/3) on each of the first and second anniversaries of the date of grant.

For legal services rendered, the Company granted to certain entities, effective as of November 1, 2001, ten (10) year warrants to purchase an aggregate of thirty thousand (30,000) shares of the Company's Common Stock, at an exercise price equal to \$2.15 per share, the closing price of the Company's Common Stock as quoted on the NASD OTC Bulletin Board on October 31, 2001. The warrants shall vest as follows: one-third (1/3) on the date of grant and one-third (1/3) on each of the first and second anniversaries of the date of grant.

No underwriter was employed by the Company in connection with the issuance of the securities described above. The Company believes that the issuance of the foregoing securities was exempt from registration under Section 4(2) of the Securities Act of 1933, as amended, as transactions not involving a public offering. Each of the recipients acquired the securities for investment purposes only and not with a view to distribution and had adequate information about the Company.

ITEM 5. OTHER INFORMATION.

Management Restructuring

On October 4, 2001, John E. Thompson, Ph.D., the Company's Executive Vice President of Research and Development, was elected to the Board of Directors and Phillip O. Escaravage, the Company's Vice Chairman, resigned as a director.

On October 4, 2001, Bruce C. Galton was appointed President and Chief Executive Officer of the Company. In connection with Mr. Galton's appointment, Ruedi Stalder resigned as Chief Executive Officer and Steven Katz resigned as President and Chief Operating Officer of the Company. Mr. Stalder continues to serve as the Chairman and a director and Mr. Katz will continue to serve as a director until the end of his term on November 29, 2001.

ITEM 6. EXHIBITS AND REPORTS ON FORM 8-K.

(a) Exhibits.

4.1 Warrant Agreement by and between the Company and Christenson, Hutchinson, McDowell, LLC.

(b) Reports on Form 8-K.

None.

SIGNATURES

In accordance with the requirements of the Securities Exchange Act of 1934, the registrant caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

SENESCO TECHNOLOGIES, INC.

DATE: November 14, 2001

By: /s/ Bruce C. Galton

Bruce C. Galton, President
and Chief Executive Officer
(Principal Executive Officer)

DATE: November 14, 2001

By: /s/ Joel Brooks

Joel Brooks, Chief Financial Officer
and Treasurer
(Principal Financial and Accounting
Officer)

THIS WARRANT AND THE SHARES OF COMMON STOCK ISSUED UPON ITS
EXERCISE ARE SUBJECT TO THE RESTRICTIONS ON
TRANSFER SET FORTH IN SECTION 5 OF THIS WARRANT

Warrant No. 28

Number of Shares: 20,000
(subject to adjustment)

Date of Issuance: September 4, 2001

Original Issue Date (as defined in subsection
2(a)): September 4, 2001

SENESCO TECHNOLOGIES, INC.

Common Stock Purchase Warrant

(Void after September 3, 2006)

SENESCO TECHNOLOGIES, INC., a Delaware corporation (the "Company"), for value received, hereby certifies that Christenson, Hutchinson and McDowell, LLC (the "Registered Holder"), is entitled, subject to the terms and conditions set forth below, to purchase from the Company, subject to the vesting schedule in subsection 1(a) hereof, at any time or from time to time on or after the date of issuance and on or before 5:00 p.m. (Eastern time) on September 3, 2006, 20,000 shares of Common Stock, \$.01 par value per share, of the Company ("Common Stock"), at a purchase price of \$.01 per share. The shares purchasable upon exercise of this Warrant, and the purchase price per share, each as adjusted from time to time pursuant to the provisions of this Warrant, are hereinafter referred to as the "Warrant Shares" and the "Purchase Price," respectively.

1. Exercise.

(a) Vesting. The Warrant Shares shall become exercisable in accordance

with the following schedule (the "Vesting Schedule"):

Date Warrant Shares become Exercisable	Number of Warrant Shares becoming exercisable on such date
September 4, 2001	20,000

(b) Method of Exercise. The Registered Holder may, at its option,

elect to exercise this Warrant, subject to the Vesting Schedule, in whole or in part and at any time or from time to time, by surrendering this Warrant, with the purchase form appended hereto as Exhibit I duly executed by or on behalf of

the Registered Holder, at the principal office of the Company, or at such other office or agency as the Company may designate, accompanied by payment in full, in lawful money of the United States, of the Purchase Price payable in respect of the number of Warrant Shares purchased upon such exercise.

(c) Exercise Date. Each exercise of this Warrant shall be deemed to

have been effected immediately prior to the close of business on the day on which this Warrant shall have been surrendered to the Company as provided in subsection 1(b) above (the "Exercise Date"). At such time, the person or persons in whose name or names any certificates for Warrant Shares shall be issuable upon such exercise as provided in subsection 1(d) below shall be deemed to have become the holder or holders of record of the Warrant Shares represented by such certificates.

(d) Issuance of Certificates. As soon as practicable after the

exercise of this Warrant in whole or in part, and in any event within 10 days thereafter, the Company, at its expense, will cause to be issued in the name of, and delivered to, the Registered Holder, or as the Registered Holder (upon payment by the Registered Holder of any applicable transfer taxes) may direct:

(i) a certificate or certificates for the number of full Warrant Shares to which the Registered Holder shall be entitled upon such exercise, which shall include, if applicable, the rounding of any fraction up to the nearest whole number of shares of Common Stock pursuant to Section 3 hereof; and

(ii) in case such exercise is in part only, a new warrant or warrants (dated the date hereof) of like tenor, calling in the aggregate on the face or faces thereof for the number of Warrant Shares equal (without giving

effect to any adjustment therein) to the number of such shares called for on the face of this Warrant minus the number of Warrant Shares for which this Warrant was so exercised.

2. Adjustments.

(a) Adjustment for Stock Splits and Combinations. If the Company shall

at any time or from time to time after the date on which this Warrant was first issued (or, if this Warrant was issued upon partial exercise of, or in replacement of, another warrant of like tenor, then the date on which such original warrant was first issued) (either such date being referred to as the "Original Issue Date") effect a subdivision of the outstanding Common Stock, the Purchase Price then in effect immediately before that subdivision shall be proportionately decreased. If the Company shall at any time or from time to time after the Original Issue Date combine the outstanding shares of Common Stock, the Purchase Price then in effect immediately before the combination shall be proportionately increased. Any adjustment under this paragraph shall become effective at the close of business on the date the subdivision or combination becomes effective.

(b) Adjustment for Certain Dividends and Distributions. In the event

the Company at any time, or from time to time after the Original Issue Date shall make or issue, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or other distribution payable in additional shares of Common Stock, then and in each such event the Purchase Price then in effect immediately before such event shall be decreased as of the time of such issuance or, in the event such a record date shall have been fixed, as of the close of business on such record date, by multiplying the Purchase Price then in effect by a fraction:

(1) the numerator of which shall be the total number of
shares

of Common Stock issued and outstanding immediately prior to the time of such issuance or the close of business on such record date, and

(2) the denominator of which shall be the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance or the close of business on such record date plus the number of shares of Common Stock issuable in payment of such dividend or distribution;

provided, however, that if such record date shall have been fixed and such

dividend is not fully paid or if such distribution is not fully made on the date fixed therefor, the Purchase Price shall be recomputed accordingly as of the close of business on such record date and thereafter the Purchase Price shall be adjusted pursuant to this paragraph as of the time of actual payment of such dividends or distributions.

(c) Adjustment in Number of Warrant Shares. When any adjustment is

required to be made in the Purchase Price pursuant to subsections 2(a) or 2(b), the number of Warrant Shares purchasable upon the exercise of this Warrant shall be changed to the number determined by dividing (i) an amount equal to the number of shares issuable upon the exercise of this Warrant immediately prior to such adjustment, multiplied by the Purchase Price in effect immediately prior to such adjustment, by (ii) the Purchase Price in effect immediately after such adjustment.

(d) Adjustments for Other Dividends and Distributions. In the event

the Company at any time or from time to time after the Original Issue Date shall make or issue, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or other distribution payable in securities of the Company (other than shares of Common Stock) or in cash or other property (other than regular cash dividends paid out of earnings or earned surplus, determined in accordance with generally accepted accounting principles), then and in each such event provision shall be made so that the Registered Holder shall receive upon exercise hereof, in addition to the number of shares of Common Stock issuable hereunder, the kind and amount of securities of the Company, cash or other property which the Registered Holder would have been entitled to receive had this Warrant been exercised on the date of such event and had the Registered Holder thereafter, during the period from the date of such event to and including the Exercise Date, retained any such securities receivable during such period, giving application to all adjustments called for during such period under this Section 2 with respect to the rights of the Registered Holder.

(e) Adjustment for Reorganization. If there shall occur any

reorganization, recapitalization, reclassification, consolidation or merger involving the Company in which the Common Stock is converted into or exchanged for securities, cash or other property (other than a transaction covered by subsections 2(a), 2(b) or 2(d)) (collectively, a "Reorganization"), then, following such Reorganization, the Registered Holder shall receive upon exercise hereof the kind and amount of securities, cash or other property which the Registered Holder would have been entitled to receive pursuant to such Reorganization if such exercise had taken place immediately prior to such Reorganization. In any such case, appropriate adjustment (as determined in good faith by the Board) shall be made in the application of the provisions set forth herein with respect to the rights and interests thereafter of the Registered Holder, to the end that the provisions set forth in this Section 2 (including provisions with respect to changes in and other adjustments of

the Purchase Price) shall thereafter be applicable, as nearly as reasonably may be, in relation to any securities, cash or other property thereafter deliverable upon the exercise of this Warrant.

(f) Certificate as to Adjustments. Upon the occurrence of each

adjustment or readjustment of the Purchase Price pursuant to this Section 2, the Company at its expense shall, as promptly as reasonably practicable but in any event not later than 10 days thereafter, compute such adjustment or readjustment in accordance with the terms hereof and furnish to the Registered Holder a certificate setting forth such adjustment or readjustment (including the kind and amount of securities, cash or other property for which this Warrant shall be exercisable and the Purchase Price) and showing in detail the facts upon which such adjustment or readjustment is based. The Company shall, as promptly as reasonably practicable after the written request at any time of the Registered Holder (but in any event not later than 10 days thereafter), furnish or cause to be furnished to the Registered Holder a certificate setting forth (i) the Purchase Price then in effect and (ii) the number of shares of Common Stock and the amount, if any, of other securities, cash or property which then would be received upon the exercise of this Warrant.

3. Fractional Shares. The Company shall not be required upon the exercise

of this Warrant to issue any fractions of shares of Common Stock or fractional Warrants; provided, however, that if the Registered Holder exercises this

Warrant, any fractional shares of Common Stock shall be eliminated by rounding any fraction up to the nearest whole number of shares of Common Stock. The Registered Holder of this Warrant, by acceptance hereof, expressly waives his right to receive any fractional share of Common Stock or fractional Warrant upon exercise of this Warrant.

4. Investment Representations. The initial Registered Holder represents

and warrants to the Company as follows:

(a) Investment. It is acquiring the Warrant, and (if and when it

exercises this Warrant) it will acquire the Warrant Shares, for its own account for investment and not with a view to, or for sale in connection with, any distribution thereof, nor with any present intention of distributing or selling the same; and the Registered Holder has no present or contemplated agreement, undertaking, arrangement, obligation, indebtedness or commitment providing for the disposition thereof;

(b) Federal and State Compliance. The Registered Holder understands

that this Warrant and any Warrant Shares purchased upon its exercise are securities, the issuance of which requires compliance with federal and state securities law, including the Securities Act of 1933, as amended (the "Act");

(c) Accredited Investor. The Registered Holder is an "accredited

investor" as defined in Rule 501(a) under the Securities Act of 1933, as amended (the "Act");

(d) Experience. The Registered Holder has made such inquiry

concerning the Company and its business and personnel as it has deemed appropriate; and the Registered Holder has sufficient knowledge and experience in finance and business that it is capable of evaluating the risks and merits of its investment in the Company; and

(e) Restricted Securities. The Registered Holder acknowledges and

understands that the Warrant and Warrant Shares constitute restricted securities under the Act

and must be held indefinitely unless subsequently registered under the Act or an exemption from such registration is available.

5. Transfers, etc.

(a) This Warrant may not be transferred in any manner other than by will or by the laws of descent or distribution and may be exercised during the lifetime of the Registered Holder only by the Registered Holder. The terms of this Warrant shall be binding upon the executors, administrators, heirs, successor and assigns of the Registered Holder.

(b) The Warrant Shares shall not be sold or transferred unless either (i) they first shall have been registered under the Act, or (ii) the Company first shall have been furnished with an opinion of legal counsel, reasonably satisfactory to the Company, to the effect that such sale or transfer is exempt from the registration requirements of the Act. Notwithstanding the foregoing, no registration or opinion of counsel shall be required for (i) a transfer by a Registered Holder which is an entity to a wholly owned subsidiary of such entity, a transfer by a Registered Holder which is a partnership to a partner of such partnership or a retired partner of such partnership or to the estate of any such partner or retired partner, or a transfer by a Registered Holder which is a limited liability company to a member of such limited liability company or a retired member or to the estate of any such member or retired member, provided

that the transferee in each case agrees in writing to be subject to the terms of this Section 5, or (ii) a transfer made in accordance with Rule 144 under the Act.

(c) Each certificate representing Warrant Shares shall bear a legend substantially in the following form:

"The securities represented by this certificate have not been registered under the Securities Act of 1933, as amended (the "Act"), and may not be offered, sold or otherwise transferred, pledged or hypothecated unless and until such securities are registered under such Act or an opinion of counsel satisfactory to the Company is obtained to the effect that such registration is not required."

The foregoing legend shall be removed from the certificates representing any Warrant Shares, at the request of the holder thereof, at such time as they become eligible for resale pursuant to Rule 144(k) under the Act.

(d) The Company will maintain a register containing the name and address of the Registered Holder of this Warrant. The Registered Holder may change its address as shown on the warrant register by written notice to the Company requesting such change.

6. Notices of Record Date, etc. In the event:

(a) the Company shall take a record of the holders of its Common Stock (or other stock or securities at the time deliverable upon the exercise of this Warrant) for the purpose of entitling or enabling them to receive any dividend or other distribution, or to receive any right

to subscribe for or purchase any shares of stock of any class or any other securities, or to receive any other right; or

(b) of any capital reorganization of the Company, any reclassification of the Common Stock of the Company, any consolidation or merger of the Company with or into another corporation (other than a consolidation or merger in which the Company is the surviving entity and its Common Stock is not converted into or exchanged for any other securities or property), or any transfer of all or substantially all of the assets of the Company; or

(c) of the voluntary or involuntary dissolution, liquidation or winding-up of the Company, then, and in each such case, the Company will send or cause to be sent to the Registered Holder a notice specifying, as the case may be, (i) the record date for such dividend, distribution or right, and the amount and character of such dividend, distribution or right, or (ii) the effective date on which such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up is to take place, and the time, if any is to be fixed, as of which the holders of record of Common Stock (or such other stock or securities at the time deliverable upon the exercise of this Warrant) shall be entitled to exchange their shares of Common Stock (or such other stock or securities) for securities or other property deliverable upon such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up. Such notice shall be sent at least 10 days prior to the record date or effective date for the event specified in such notice.

7. Reservation of Stock. The Company will at all times reserve and keep

available, solely for issuance and delivery upon the exercise of this Warrant, such number of Warrant Shares and other securities, cash and/or property, as from time to time shall be issuable upon the exercise of this Warrant.

8. Replacement Warrant.

(a) Upon receipt of evidence reasonably satisfactory to the Company of the loss, theft, destruction or mutilation of this Warrant and (in the case of loss, theft or destruction) upon delivery of an indemnity agreement (with surety if reasonably required) in an amount reasonably satisfactory to the Company, or (in the case of mutilation) upon surrender and cancellation of this Warrant, the Company will issue, in lieu thereof, a new Warrant of like tenor.

9. Agreement in Connection with Public Offering. The Registered Holder

agrees, in connection with an underwritten public offering of the Company's securities pursuant to a registration statement under the Act, (i) not to sell, make short sale of, loan, grant any options for the purchase of, or otherwise dispose of any shares of Common Stock held by the Registered Holder (other than any shares included in the offering) without the prior written consent of the Company or the underwriters managing such underwritten public offering of the Company's securities for a period of 180 days from the effective date of such registration statement, and (ii) to execute any agreement reflecting clause (i) above as may be requested by the Company or the managing underwriters at the time of such offering.

10. Notices. All notices and other communications from the Company to the

Registered Holder in connection herewith shall be mailed by certified or registered mail, postage prepaid, or sent via a reputable nationwide overnight courier service guaranteeing next business day delivery, to the address last furnished to the Company in writing by the Registered Holder. All notices and other communications from the Registered Holder to the Company in connection herewith shall be mailed by certified or registered mail, postage prepaid, or sent via a reputable nationwide overnight courier service guaranteeing next business day delivery, to the Company at its principal office set forth below. If the Company should at any time change the location of its principal office to a place other than as set forth below, it shall give prompt written notice to the Registered Holder and thereafter all references in this Warrant to the location of its principal office at the particular time shall be as so specified in such notice. All such notices and communications shall be deemed delivered (i) two business days after being sent by certified or registered mail, return receipt requested, postage prepaid, or (ii) one business day after being sent via a reputable nationwide overnight courier service guaranteeing next business day delivery.

11. No Rights as Stockholder. Until the exercise of this Warrant, the

Registered Holder shall not have or exercise any rights by virtue hereof as a stockholder of the Company.

12. Amendment or Waiver. Any term of this Warrant may be amended or waived

only by an instrument in writing signed by the party against which enforcement of the change or waiver is sought. No waivers of any term, condition or provision of this Warrant, in any one or more instances, shall be deemed to be, or construed as, a further or continuing waiver of any such term, condition or provision.

13. Section Headings. The section headings in this Warrant are for the

convenience of the parties and in no way alter, modify, amend, limit or restrict the contractual obligations of the parties.

14. Governing Law. This Warrant will be governed by and construed in

accordance with the internal laws of the State of New Jersey (without reference to the conflicts of law provisions thereof).

15. Facsimile Signatures. This Warrant may be executed by facsimile

signature.

EXECUTED as of the Date of Issuance indicated above.

SENESCO TECHNOLOGIES, INC.

By: /s/Bruce C. Galton

Title: President and Chief Executive Officer

ATTEST:

/s/Joel Brooks

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PURCHASE FORM

To: _____

Dated: _____

The undersigned, pursuant to the provisions set forth in the attached
Warrant (No. _____), hereby elects to purchase _____ shares of the Common

Stock of SENESCO TECHNOLOGIES, INC. covered by such Warrant.

The undersigned herewith makes payment of the full purchase price for such
shares at the price per share provided for in such Warrant in lawful money of
the United States in the amount of \$ _____.

Signature: _____

Address: _____
