

NOVO NORDISK A S
Form 6-K
April 11, 2011

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER

Pursuant to Rule 13a-16 or 15d-16
of the Securities Exchange Act of 1934

April 11, 2011

NOVO NORDISK A/S

(Exact name of Registrant as specified in its charter)

Novo Allé

DK- 2880, Bagsvaerd

Denmark

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F

Form 20-F Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g-32(b):82-_____

Company Announcement

11 April 2011

Novo Nordisk A/S – Share repurchase programme

On 2 February 2011 Novo Nordisk initiated a share repurchase programme in accordance with the provisions of the European Commission's regulation no 2273/2003 of 22 December 2003, also referred to as the Safe Harbour rules.

Under the programme Novo Nordisk will repurchase B shares for an amount up to DKK 2.0 billion in the period from 2 February 2011 to 26 April 2011.

Since the announcement as of 4 April 2011, the following transactions have been made under the programme:

	Number of shares	Average purchase price	Transaction value, DKK
Accumulated, last announcement	2,256,500		1,474,401,143
4 April 2011	50,000	661.1900	33,059,500
5 April 2011	50,000	668.2100	33,410,500
6 April 2011	55,000	674.5500	37,100,250
7 April 2011	55,000	666.5700	36,661,350
8 April 2011	55,000	662.0200	36,411,100
Accumulated under the programme	2,521,500		1,651,043,843

With the transactions stated above, Novo Nordisk owns a total of 29,778,509 treasury shares, corresponding to 5.0% of the share capital. The total amount of shares in the company is 600,000,000 including treasury shares.

Novo Nordisk A/S	Novo Allé	Telephone:	Internet:	CVR no:
Investor Relations	2880 Bagsværd	+45 4444 8888	novonordisk.com	24256790
	Denmark	Telefax:		
		+45 4444 6626		

Novo Nordisk expects to repurchase B shares worth DKK 10.0 billion during 2011. As of 8 April 2011, Novo Nordisk has repurchased a total of 2,521,500 B shares equal to a transaction value of DKK 1,651,043,843.

Novo Nordisk is a global healthcare company with 87 years of innovation and leadership in diabetes care. The company also has leading positions within haemophilia care, growth hormone therapy and hormone replacement therapy. Headquartered in Denmark, Novo Nordisk employs approximately 30,900 employees in 76 countries, and markets its products in 179 countries. Novo Nordisk's B shares are listed on NASDAQ OMX Copenhagen (Novo-B). Its ADRs are listed on the New York Stock Exchange (NVO). For more information, visit novonordisk.com.

Further information:

Media:

Outside North America:
Anne Margrethe Hauge
Tel: (+45) 4442 3450
amhg@novonordisk.com

In North America:
Ken Inchausti
Tel: (+1) 609 514 8316
kiau@novonordisk.com

Investors:

Outside North America:
Klaus Bülow Davidsen
Tel: (+45) 4442 3176
klda@novonordisk.com

Jannick Lindegaard
Tel: (+45) 4442 4765
jlis@novonordisk.com

Frank Daniel Mersebach
Tel: (+45) 4442 0604
fdni@novonordisk.com

In North America:
Hans Rommer
Tel: (+1) 609 919 7937
hrrm@novonordisk.com

Investor Relations 2880 Bagsværd +45 4444 8888 novonordisk.com 24256790

Denmark

Telefax:

+45 4444 6626

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf of the undersigned, thereunto duly authorized.

Date: April 11, 2011

NOVO NORDISK A/S

Lars Rebien Sørensen,

President and Chief Executive Officer
