

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM N-CSR**

**CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT  
INVESTMENT COMPANIES**

Investment Company Act file number      811-4880

Dreyfus Premier GNMA Fund  
(Exact name of Registrant as specified in charter)

c/o The Dreyfus Corporation  
200 Park Avenue  
New York, New York 10166  
(Address of principal executive offices)      (Zip code)

Mark N. Jacobs, Esq.  
200 Park Avenue  
New York, New York 10166  
(Name and address of agent for service)

Registrant's telephone number, including area code:      (212) 922-6000

Date of fiscal year end:      12/31

Date of reporting period:      6/30/05

## FORM N-CSR

**Item 1. Reports to Stockholders.**

[INSERT REPORT HERE]

**Item 2. Code of Ethics.**

Not applicable.

**Item 3. Audit Committee Financial Expert.**

Not applicable.

**Item 4. Principal Accountant Fees and Services.**

Not applicable.

**Item 5. Audit Committee of Listed Registrants.**

Not applicable.

**Item 6. Schedule of Investments.**

Not applicable.

**Item 7. Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies.**

Not applicable.

**Item 8. Portfolio Managers of Closed-End Management Investment Companies.**

Not applicable.

**Item 9. Purchases of Equity Securities by Closed-End Management Investment Companies and Affiliated Purchasers.**

Not applicable.

**Item 10. Submission of Matters to a Vote of Security Holders.**

The Registrant has a Nominating Committee (the "Committee"), which is responsible for selecting and nominating persons for election or appointment by the Registrant's Board as Board members. The Committee has adopted a Nominating Committee Charter (the "Charter"). Pursuant to the Charter, the Committee will consider recommendations for nominees from shareholders submitted to the Secretary of the Registrant, c/o The Dreyfus Corporation Legal Department, 200 Park Avenue, 8th Floor East, New York, New York 10166. A nomination submission must include information regarding the recommended nominee as specified in the Charter. This information includes all information relating to a recommended nominee that is required to be disclosed in solicitations or proxy statements for the election of Board members, as well as information sufficient to evaluate the factors to be considered by the Committee, including character and integrity, business and professional experience, and whether the person has the ability to apply sound and independent business judgment and would act in the interests of the Registrant and its shareholders.

Nomination submissions are required to be accompanied by a written consent of the individual to stand for election if nominated by the Board and to serve if elected by the shareholders, and such additional information must be provided regarding the recommended nominee as reasonably requested by the Committee.

**Item 11. Controls and Procedures.**

(a) The Registrant's principal executive and principal financial officers have concluded, based on their evaluation of the Registrant's disclosure controls and procedures as of a date within 90 days of the filing date of this report, that the Registrant's disclosure controls and procedures are reasonably designed to ensure that information required to be disclosed by the Registrant on Form N-CSR is recorded, processed, summarized and reported within the required time periods and that information required to be disclosed by the Registrant in the reports that it files or submits on Form N-CSR is accumulated and communicated to the Registrant's management, including its principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure.

(b) There were no changes to the Registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the Registrant's internal control over financial reporting.

**Item 12. Exhibits.**

(a)(1) Not applicable.

(a)(2) Certifications of principal executive and principal financial officers as required by Rule 30a-2(a) under the Investment Company Act of 1940.

(a)(3) Not applicable.

(b) Certification of principal executive and principal financial officers as required by Rule 30a-2(b) under the Investment Company Act of 1940.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the Registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dreyfus Premier GNMA Fund

By: /s/ Stephen E. Canter  
Stephen E. Canter  
Chief Executive Officer

Date: August 30, 2005

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this Report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

By: /s/ Stephen E. Canter  
Stephen E. Canter  
Chief Executive Officer

Date: August 30, 2005

By: /s/ James Windels  
James Windels  
Chief Financial Officer

Date: August 30, 2005

#### **EXHIBIT INDEX**

(a)(2) Certifications of principal executive and principal financial officers as required by Rule 30a-2(a) under the Investment Company Act of 1940. (EX-99.CERT)

(b) Certification of principal executive and principal financial officers as required by Rule 30a-2(b) under the Investment Company Act of 1940. (EX-99.906CERT)