

BAYER AKTIENGESELLSCHAFT  
Form 6-K  
March 24, 2006

**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 UNDER THE  
SECURITIES EXCHANGE ACT OF 1934**

For the month of March 2006

Commission File Number: 001-16829

**Bayer Aktiengesellschaft**  
**Bayer Corporation\***

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(Translation of registrant's name into English)

Bayerwerk, Gebaeude W11  
Kaiser-Wilhelm-Allee  
51368 Leverkusen  
Germany  
(Address of principal executive office)

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 if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

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 12g3-2(b):

\* Bayer Corporation is also the name of a wholly-owned subsidiary of the registrant in the United States.

<b>Exhibit List</b>	<b>Description</b>
99.1	Press Release, dated March 24, 2006.
99.2	Ad-hoc Notification pursuant to Section 15 of the German Securities Trading Act.
99.3	Publication of the decision to make a takeover offer pursuant to Section 10 Para 1 of the German Securities Acquisition and Takeover Act.

**SIGNATURE**

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

Bayer Aktiengesellschaft  
(Registrant)

By: /s/ Dr. Roland Hartwig  
Name: Dr. Roland Hartwig  
Title: General Counsel

By: /s/ Dr. Alexander Rosar  
Name: Dr. Alexander Rosar  
Title: Head of Investor Relations

Date: March 23, 2006