

BAYER AKTIENGESELLSCHAFT  
Form 6-K  
June 21, 2006

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**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 June 2006

Commission File Number: 001-16829

**Bayer Aktiengesellschaft  
Bayer Corporation\***

(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): 82- \_\_\_\_\_.

\*

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

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**Exhibit List**

**Description**

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|      |  |
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| 99.1 | Press Release issued on June 20, 2006 at approximately 2:30 p.m. New York time |
| 99.2 | Press Release issued on June 20, 2006 at approximately 2:30 p.m. New York time |

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**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

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Name: Dr. Roland Hartwig  
Title: General Counsel

By: /s/ DR. ALEXANDER ROSAR

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Name: Dr. Alexander Rosar  
Title: Head of Investor Relations

Date: June 20, 2006

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SIGNATURE