

BAYER AKTIENGESELLSCHAFT

Form 6-K

June 15, 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

| | |
|------|---|
| 99.1 | Press Release issued on June 15, 2006 at approximately 2:30 a.m. New York time |
| 99.2 | Tender/Purchase Agreement, dated June 14, 2006, between Merck KGaA, Dritte BV GmbH and Bayer AG |

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: June 15, 2006

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SIGNATURE