STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance:  Zearalenone

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled  □
- Not Controlled  X

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The drug is currently not listed specifically on the CDSA.
- Zearalenone is not currently included in the schedules to the CDSA and is not a controlled substance.

Supporting document(s) attached: X

Prepared by:  ____________________________  Date: 2005-07-06
TIANA BRANCH

Verified by:  See email  Date: 2005-07-06
MICHAEL LEBELLE

Approved by:  ____________________________  Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES
**Drug:** Zearalenone

**Drug Name Status:** Zearalenone is the common name.

**Chemical Name:**
(3S,11E)-3,4,5,6,9,10-Hexahydro-14,16-dihydroxy-3-methyl-1H-2-benzoxacyclotetradecin-1,7(8H)-dione

**Other Names:** 6-(10-hydroxy-6-oxo-trans-1-undecenyl)-b-resorcylic acid lactone

**Chemical structure:**

![Chemical Structure Image]

**Molecular Formula:**
\[ C_{18}H_{22}O_{5} \]

**Pharmacological class / Application:** estrogenic mycotoxin

**International status:**

US: The drug is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The drug is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control

Canadian Status: The drug is currently not listed specifically on the CDSA.

**Recommendation:** Zearalenone is not currently included in the schedules to the CDSA and is not a controlled substance.

July 5, 2005