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Potential natural exposure of endangered red-crowned crane (*Grus japonensis*) to mycotoxins aflatoxin B_1, deoxynivalenol, zearalenone, T-2 toxin, and ochratoxin A

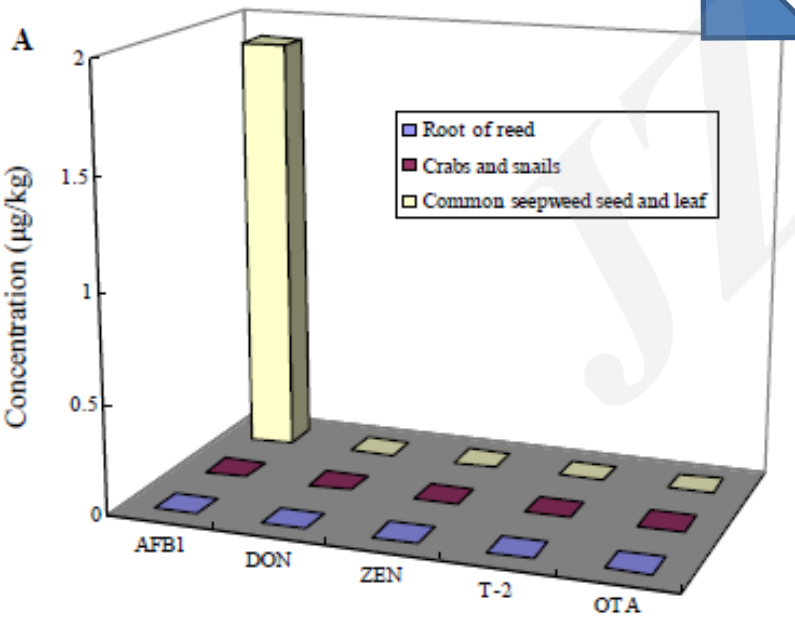
Key words: Food, Mycotoxin, Red-crowned crane, Yancheng Biosphere Reserve

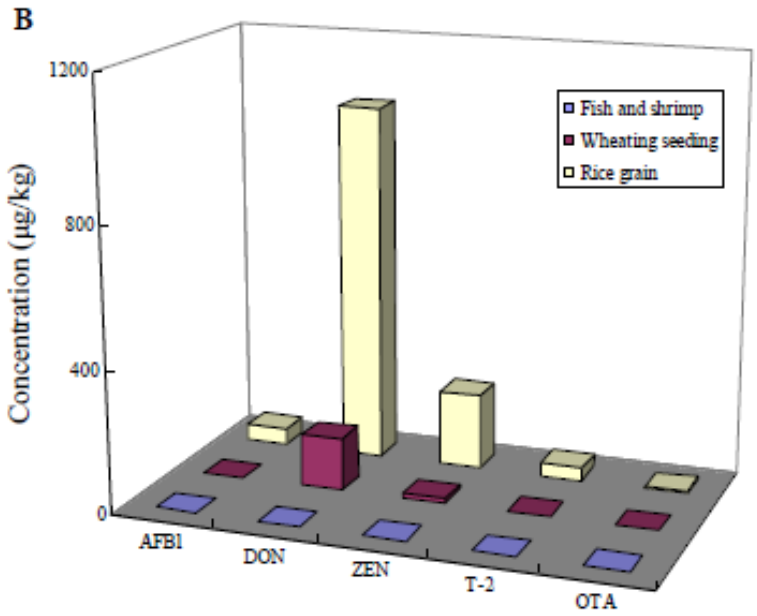
Focus on：

Whether red-crowned cranes were exposed to mycotoxins during the wintering period in the Yancheng Biosphere Reserve？



Results


A
Concentration (μg/kg)
2
1.5
1
0.5
0
Root of reed
Crabs and snails
Common seepweed seed and leaf
AFB1
DON
ZEN
T-2
OTA


B
Concentration (μg/kg)
1200
800
400
0
Fish and shrimp
Wheating seeding
Rice grain
AFB1
DON
ZEN
T-2
OTA

- Red-crowned cranes were exposed to mycotoxins in the Yancheng Biosphere Reserve
- Artificial wetlands could not be considered good habitats for the birds in this reserve, especially rice fields