



Fire Pits, Ducks, and Chemical Warfare: A History of Pest Control in China

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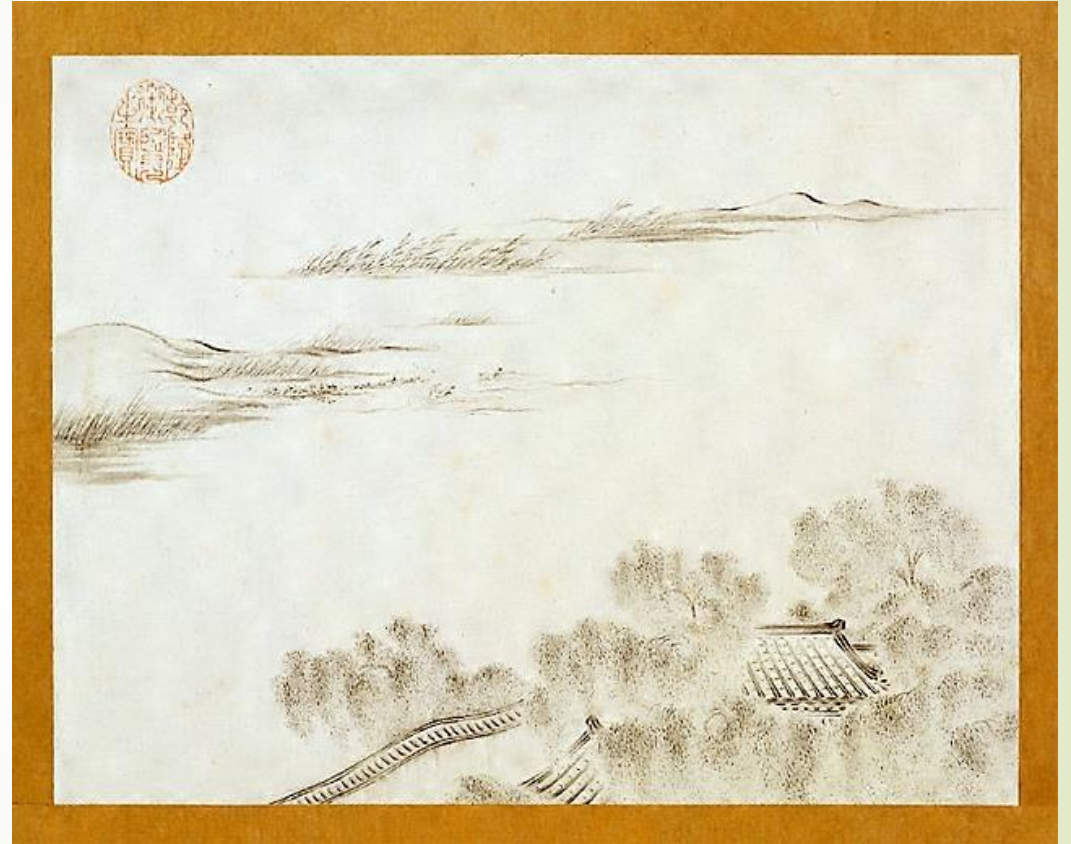
What is a Pest?

- Social Construct
- Arthropod that damages crops



Pest Philosophy

- Chong (虫)
- Shijing
- Yao Chong

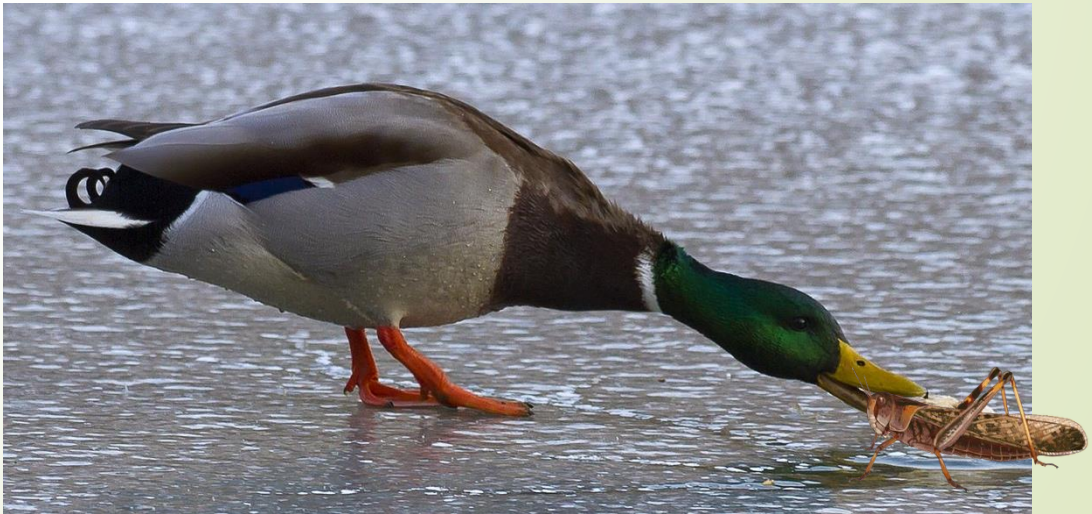


Cycle of Overcoming



Wuxing

- Many organisms overcome pests
 - Ducks
 - Frogs
 - Insects



Crop Defenses

- Crop Rotation
- Intercropping
- Ecosystem Health



Chemical Control

- Takes off in 1970s
- Short term pest control
- Health Problems
- Ecosystem Damage
- Pest Resistance



Conclusion

- Pest control based on balancing nature using both modern technology and traditional techniques
- The Ecosystems of today are more vulnerable to pest outbreaks
- Future research



Image citations

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- Pierre-Selim. *English: A Mallard Duck Starving (Due to the Very Cold Weather in Toulouse) Tries to Eat Bread on a Frozen Lake.* February 12, 2012. Flickr: Mallard duck eating bread. https://commons.wikimedia.org/wiki/File:Mallard_duck_eating_bread.jpg.
- Judgefloro. *English: Barangay Nabaong Garland 15°6'23"N 120°57'42"E Mataas Na Parang 15°5'45"N 120°57'39"E beside Santa Catalina Bata 15°5'59"N 120°58'15"E Santa Catalina Matanda 15°5'52"N 120°58'50"E Sumandig 15°4'35"N 120°59'0"E Umpucan 15°4'11"N 121°0'48"E San Ildefonso, Bulacan Accessed from the Maharlika Highway (Cagayan Valley Road, San Rafael-San Ildefonso, Bulacan Section) of the Pan-Philippine Highway (Note: Judge Florentino Floro, the Owner, to Repeat, Donor Florentino Floro of All These Photos Hereby Donate Gratuitously, Freely and Unconditionally All These Photos to and for Wikimedia Commons, Exclusively, for Public Use of the Public Domain, and Again without Any Condition Whatsoever).* December 27, 2016. Own work. https://commons.wikimedia.org/wiki/File:0382jfPaddy_fields_Duck_farming_Nabaong_Garlang_San_Ildefonso_Bulacan_Farm_Market_Roadfvf_02.jpg.
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