

## Modern Agriculture Effects

### Part 2



Intro to Environmental Science  
**DartmouthX**

### Primary nutrients in fertilizer:

nitrogen (N)  
phosphorus (P)  
potassium (K)

### Organic fertilizer:

composed of organic matter  
from plants and animals, such  
as compost and manure

### Synthetic nitrogen fertilizer:

created by combusting natural gas  
to fix (capture) nitrogen gas from the  
atmosphere into solid form

### **The Green Revolution:**

significantly increased crop outputs  
by intensified use of fertilizer and water,  
and expanded plant breeding

### **Insecticides:**

target insect pests

### **Herbicides:**

target plant species that  
compete with crops