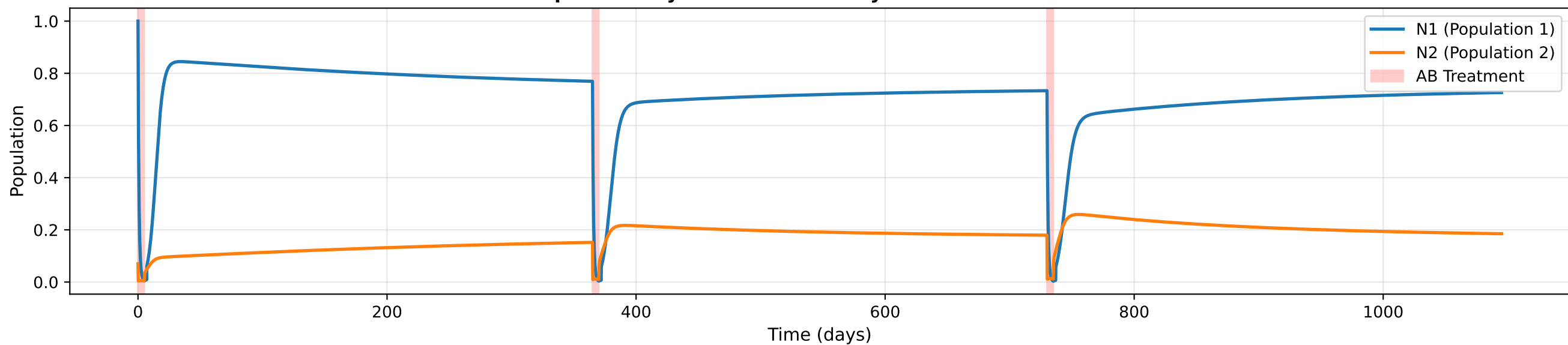
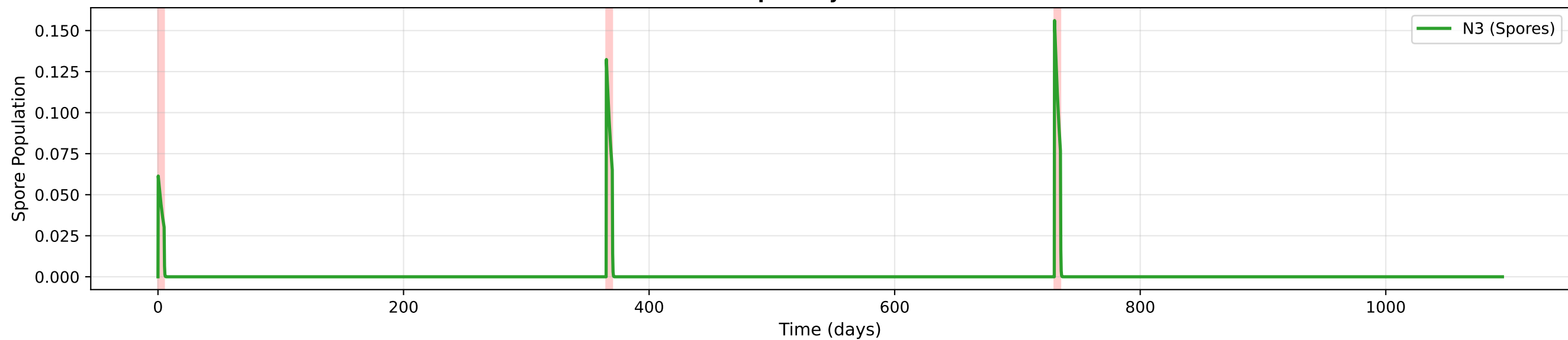


**Population Dynamics with Yearly Antibiotic Treatment**



**Spore Dynamics**



**Antibiotic Concentration Over Time**

