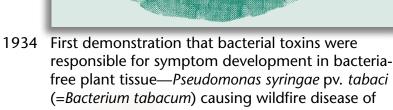
## 1929 - 1938

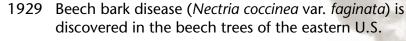


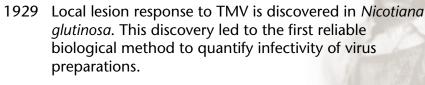


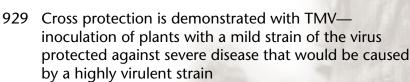






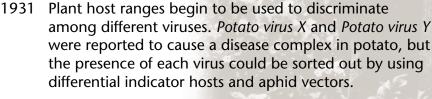


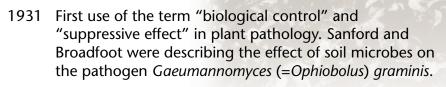


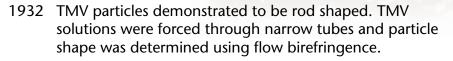


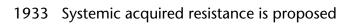


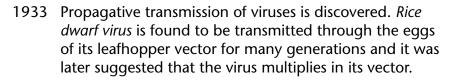
1931 The Mycological Society of America (MSA) is founded

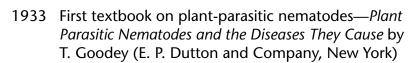


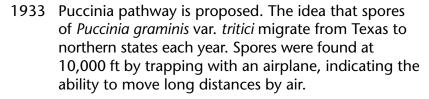


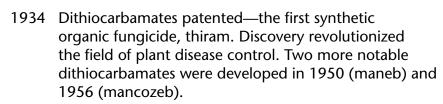












1934 First biological control of plant pathogens by mycoparasitism. Discovery that Trichoderma lignorum would parasitize a number of soilborne fungi in culture and suggested controlling certain pathogenic fungi by augmenting soil with an abundance of this mycoparasite.

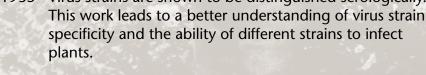
tobacco 1934 Plant diseases affect respiration. Studies of mildew and rust on red clover demonstrated increased respiration in the

1935 TMV protein is crystallized. It was demonstrated that the virus consisted primarily of protein, although

presence of the pathogens.

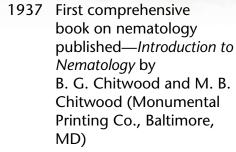
overlooked. This work demonstrated that viruses could be analyzed chemically as well as biologically. 1935 Virus strains are shown to be distinguished serologically.

the fact that TMV also contained nucleic acids was

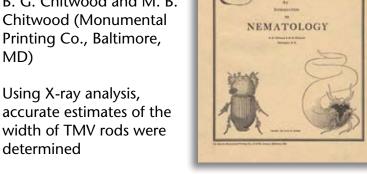


1936 TMV and Tomato bushy stunt virus are determined to be nucleoproteins—the presence of phosphorus led to the conclusion that nucleic acid was present. This discovery set the stage for nucleic acid analyses of viruses.





1937 Using X-ray analysis, accurate estimates of the width of TMV rods were



1938 First biocontrol of nematodes. Reduced populations of Heterodera marioni were observed following decomposition of organic matter, which led to an increase in free-living predacious nematodes and fungal parasites.

1938 Development of first resistance to TMV in tobacco

1938 First report of X-disease of peach in the U.S. This phytoplasma disease is transmitted by leafhoppers and causes disease on peach, nectarine, sweet cherry, sour cherry, and Japanese plum. This disease is present in most areas where wild chokecherries occur, chokecherries serving as the primary reservoir for the phytoplasma.









