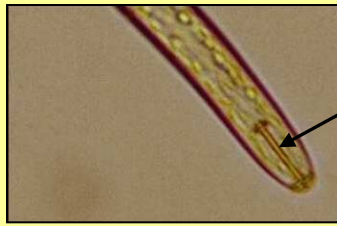




2nd stage juveniles emerge from cyst & migrate through the soil in the spring (some are released the 1st year and others over several years)



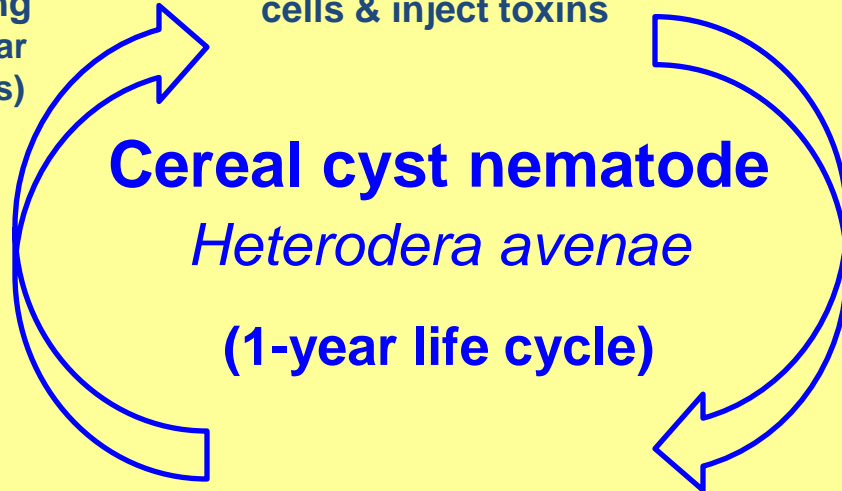
feeding stylet thrusts outward to injure root cells & inject toxins



inflated 3rd stage female becomes embedded in roots of very small seedlings



when crushed, a brown cyst is shown to contain up to 600 eggs + juveniles



swollen 4th stage females embedded in roots



egg-filled brown cysts are freely disburshed into the soil & survive for many years



egg-filled swollen white female at time of wheat anthesis (≈1/32" diam.)



roots become knotted & shallow

