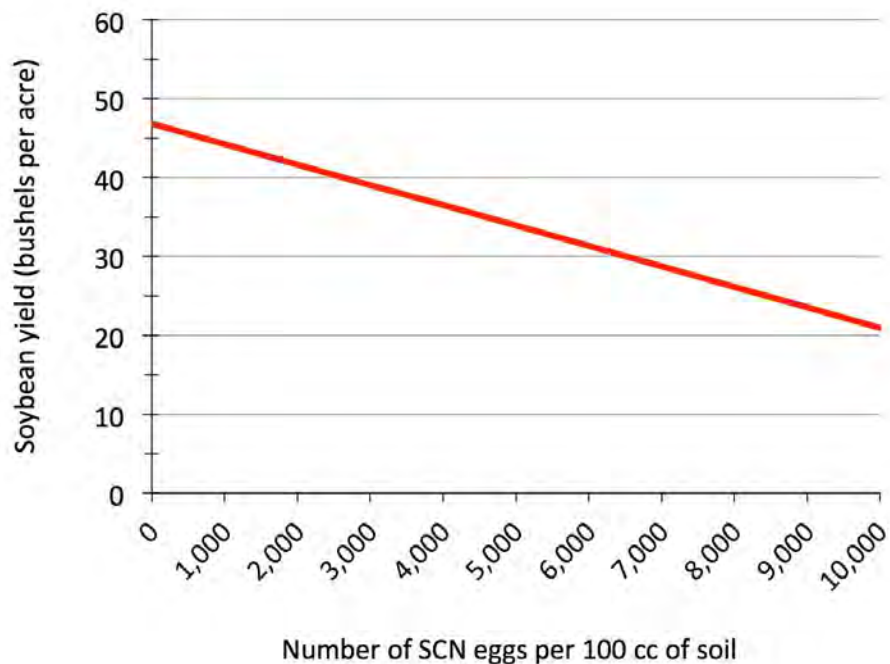




Midwest State University Plant & Insect Diagnostic Clinic

Yield Loss from Soybean Cyst Nematode (SCN)

The effect of SCN on soybean yield depends on the number of SCN eggs present in the soil. Scientists call this type of relationship "density dependent". In the accompanying graph, soybean yields from a recent study are 46.8 bushels per acre when there are no SCN eggs present (0 eggs per 100 cc of soil), but soybean yield drops continually as SCN egg numbers increase. When there are 10,000 eggs per 100 cc of soil, the yield is 20.9 bushels per acre.



Source: Graph data adapted from Adee, E. A., Johnson, M. L., and Niblack, T. L. 2008. Effect of soybean cultivars moderately resistant to soybean cyst nematode on SCN populations and yield. Online. Plant Health Progress doi:10.1094/PHP-2008-0618-03-RS.