

Nematode Thresholds

Number of Nematodes per 100 cc of Soil

Nematode	Action Level Thresholds from Different Universities				
	Illinois	Kansas State	Clemson	Iowa State	Purdue
Ring (Criconemella)	300-600		200+	Corn 100	
Spiral (Helicotylenchus)	300+		Corn 500+ Soybeans 600+	Corn 500-1,000	Corn 1,000
Cyst (Heterodera)		300 Coarse textured soils 1000 Fine textured soils	40-69		
Lance (Hoplolaimus)	40-150	100-150	Corn 56-99 Soybeans 50+	Corn 300-400	Corn 60
Root Knot (Meloidogyne)		50-100	Corn 150 -299 Soybeans 40-79		
Pin (Paratylenchus)					
Lesion (Pratylenchus)	50-100	150-200	Corn 200-499 Soybeans 150+		Corn 200
Stunt (Tylenchorhynchus)	150-300	500	Corn 500+ Soybeans 700+	Corn 100	Corn 500
Dagger (Xiphinema)	50-100	150-200	Corn 200+ Soybeans 250+	Corn 30-40	Corn 200
Tylenchid Type					
Aphelenchus					
Free –living					
Needle (Longidorus)	5-25	10		Corn 1	Corn 10
Stubby Root (Paratrichodorus)	50 -100	50-100	Corn 10-39 Soybeans 50+		
Sting (Belonolaimus longicaudatus)		10	Corn 4+ Soybeans 4+	Corn 1	

Needle (Longidorus)	Corn 5-25	Corn 10			
Nematodes / grams dry root					
Lance (Hoplolaimus)					Corn 60
Lesion (Pratylenchus)	500-1000			Corn 1,000	Corn 300
Source of Nematode Thresholds					
Illinois: http://web.aces.uiuc.edu/vista/pdf_pubs/1106.PDF					
Kansas State: http://nematode.unl.edu/extpubs/nemakst2.jpg					
Clemson: http://virtual.clemson.edu/groups/psapublishing/PAGES/PLNTPATH/EC703.pdf					
Iowa State: http://www.extension.iastate.edu/CropNews/2009/0429tylka.htm					
Purdue: http://extension.entm.purdue.edu/pestcrop/2009/issue18/PandC18.pdf					