

TURFGRASS NEMATICIDE RESEARCH REPORT

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Kentucky Bluegrass Nematicide Study - 1978

The Kentucky bluegrass nematode trials were conducted on a highly-maintained Merion Kentucky bluegrass turf area in Farmington, MI. The plot area was showing symptoms of high nematode populations prior to treatment.

The plots were laid out in four replications of a random block design. The granular treatments were applied with a Scotts drop-type spreader while the liquid treatments were applied with a CO₂ small plot sprayer at a volume of 40 gal/acre. All treatments were irrigated into the root zone immediately after application.

Soil samples were taken before the treatments were applied on July 13 in order to determine nematode population levels. This process was repeated post-treatment on August 11.

Kentucky Bluegrass Nematicide Study - 1978
 % reduction - Criconemoides (ring) nematode
 7/13-8/11

Treatment	Rate/1000 ft ²	% Reduction				AVE	(DMR)
		I	II	III	IV		
Dasinat	3 lbs.	1	53	66	36	39	A
Vydate-EC	6 fl oz.	24	70	9	45	37	A
Vydate-EC	12 fl oz.	26	14	25	-8	14.3	A
Check	---	46	-49	69	-136	-17.5	A
Tersan 1991	4 oz. +	-404	-2	0	33	-93.3	A
Vydate-EC	6 fl oz.						

Note: Treatments followed by the same letter are not significantly different at the 5% level.

Kentucky Bluegrass Nematicide Study - 1978
 % reduction Tylenchorhynchus (stunt) nematode

7/13 - 8/11

<u>Treatment</u>	<u>Rate/1000 ft²</u>	<u>% reduction</u>				AVE	(DMR)
		I	II	III	IV		
Check	--	79	62	87	73	72.3	A
Dasinat	3 lbs.	36	0	89	29	38.5	A
Vydate-EC	12 fl oz.	-200	0	25	100	-18.8	A
Tersan 1991 + Vydate-EC	4 oz + 6 fl oz	-200	58	37	-75	-45	A
Vydate-EC	6 fl oz.	79	-40	-50	-500	-127.8	A

Note: Treatments followed by the same letter are not significantly different at the 5% level