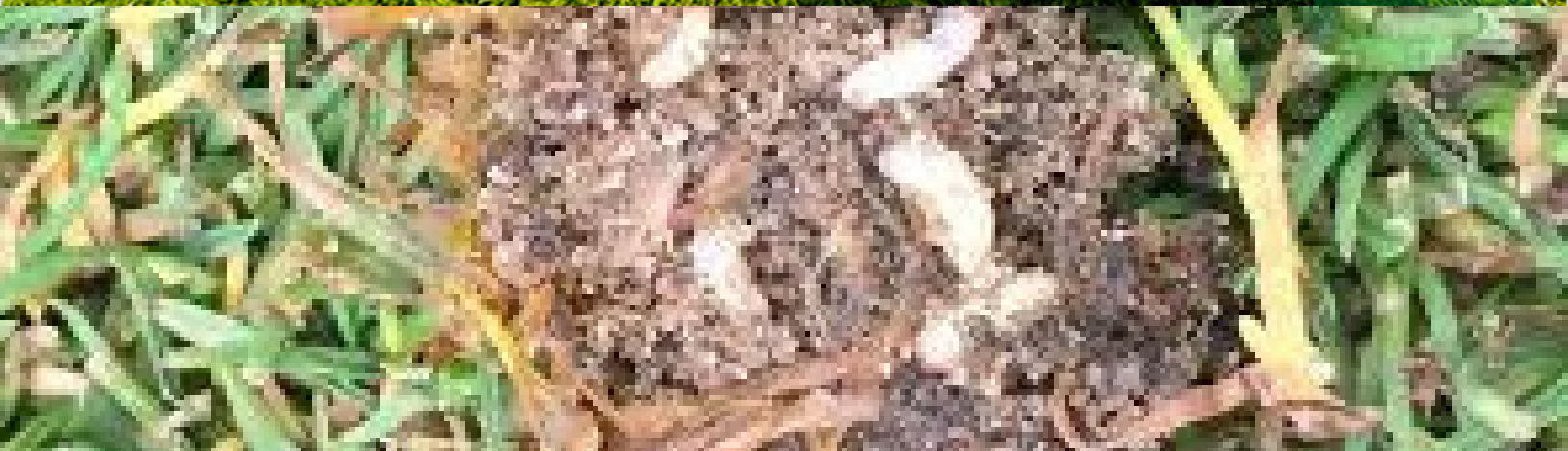


# Research Update Nemasys Products against ABW Larvae on turf

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Hendrik Ypema  
October 12, 2018



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# 2018 Field Trials for ABW control - NEMASYS MKD-P-2018-US-VC1-A-01.0-US-UPA-001 Turfgrass Disease Solutions, Steve McDonald

## ■ Treatments:

Trt	Product Name	Product Rate	Prod Unit	AI Rate	AI Unit
1	CHECK				
2	NEMASYS			100.0 M BIO	EN/100 M2
3	NEMASYS C			100.0 M BIO	EN/100 M2
4	NEMASYS R			100.0 M BIO	EN/100 M2
5	FERENCE	0.88 L/HA		176.0 G A/HA	
6	MATCHPOINT	1.12 KG/HA		403.0 G A/HA	



## 2018 Field Trials for ABW control - NEMASYS MKD-P-2018-US-VC1-A-01.0-US-UPA-001 Turfgrass Disease Solutions, Steve McDonald

- Trial location: Philadelphia Country Club, Gladwyne, PA
- Poa annua (overgrew perennial ryegrass since 2000), no insecticide applied
- RCBD, 5 Replications, 25 sq feet plots
- Application date:
  - ▶ Nemasys-products June 27 and July 19, 2018
  - ▶ Standards: July 19, 2018
  - ▶ ABW larvae already present
- Application details: Standards: 87 GPA, Nemasys: 200 GPA
- Weather:
  - ▶ Overall rainfall well above average.
- Evaluations:
  - ▶ % ABW damage & turf quality 7/19, 7/25, 8/3
  - ▶ Larval counts: 8/3/2018

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## 2018 Field Trials for ABW control MKD-P-2018-US-VC1-A-01.0-US-UPA-001 Turfgrass Disease Solutions, Steve McDonald

Evaluation: No / Date	003 8/3/2018	003 8/3/2018
Crop GS: From / To / Method	- - B	- - B
DAT / DALT / DAP	37 15 -	37 15 -
SE: File / Group	- 7	8
Organism / Biotype		LISRSP -
Rating Type	PHYTOX	NUMBER
Clarifier	CROP INJURY	LARVAE
Rating Unit		FT2
Part Rated	PX TOTAL PLANT	PX TOTAL PLANT
# Subsamples / Class	1 1	1 1
Product		
Trt Name	7	8
1 CHECK	0.0 a	68.0 a
2 NEMASYS	0.0 a	11.6 b
3 NEMASYS C	0.0 a	11.6 b
4 NEMASYS R	0.0 a	20.0 b
5 FERENCE	0.0 a	1.3 b
6 MATCHPOINT	0.0 a	1.3 b
Tukey's HSD P=.10	.	23.74 - 39.70
Standard Deviation	0.00	13.25t
CV	0.0	58.77t
Replicate F	0.000	4.045
Replicate Prob(F)	1.0000	0.0146
Treatment F	0.000	9.265
Treatment Prob(F)	1.0000	0.0001



**2018 Field Trials for ABW control**  
**MKD-P-2018-US-VC1-A-01.0-US-UPA-001**  
**Turfgrass Disease Solutions, Steve McDonald**

■ 1 Location in 2018:

- ▶ Turf damage correlated well with larval counts
- ▶ All Nemasys products performed fairly equally:
  - 83 % reduction for Nemasys and Nemasys C
  - 71 % reduction for Nemasys R
- ▶ Higher than normal precipitation helped the nematodes' performance



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