



VAN LAB NAAR KAS

Vooruitgang in biologische bestrijding

Artemis Kennisdag
12 September 2025, Zaltbommel, Nederland

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Dominiek Vangansbeke, Marcus Duarte, Rob Moerkens,
Yves Arijs, Tolis Pekas, Antonio Robledo, Joop Woelke,
Sergio Harinck & Felix Wäckers

Artemis

biobeST
SUSTAINABLE CROP MANAGEMENT

Bestrijding van trips

Pepertrips *Thrips parvispinus*

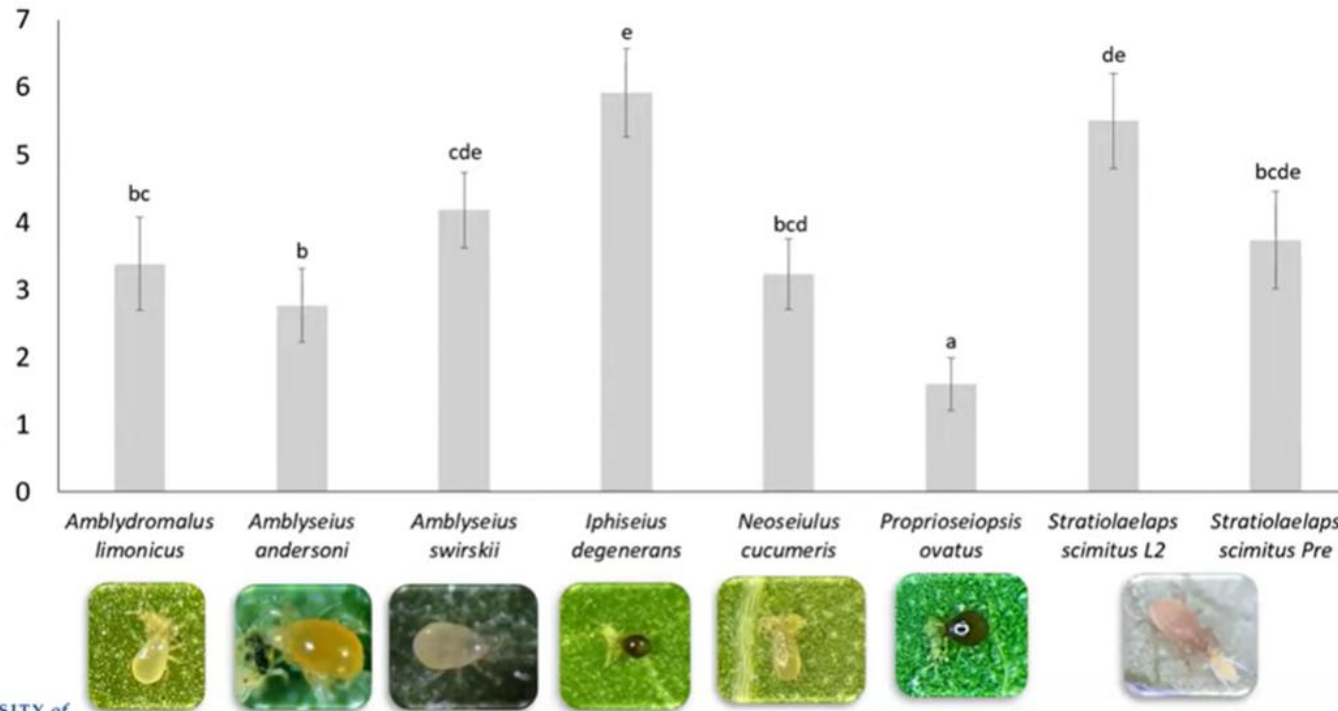


VAN LAB: Roofmijten tegen *Thrips parvispinus*

Webinar: *Thrips parvispinus* - Research Updates 2025
<https://www.youtube.com/watch?v=GZz5-1xDfoo>

Alexandra M. Revynthi Univ Florida., 2025

Aantal dode tripsen/dag



Article 2025

A predatory mite as potential biological control agent of the invasive *Thrips parvispinus*

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Karen A. Muñoz Cárdenas · Marta Montserrat ·
Arne Janssen

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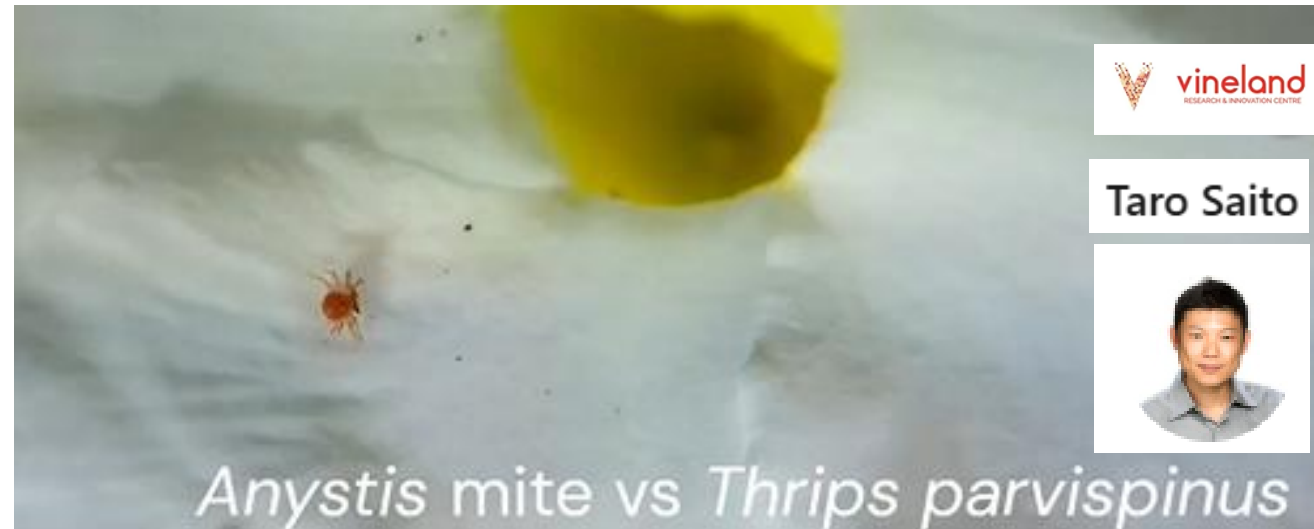
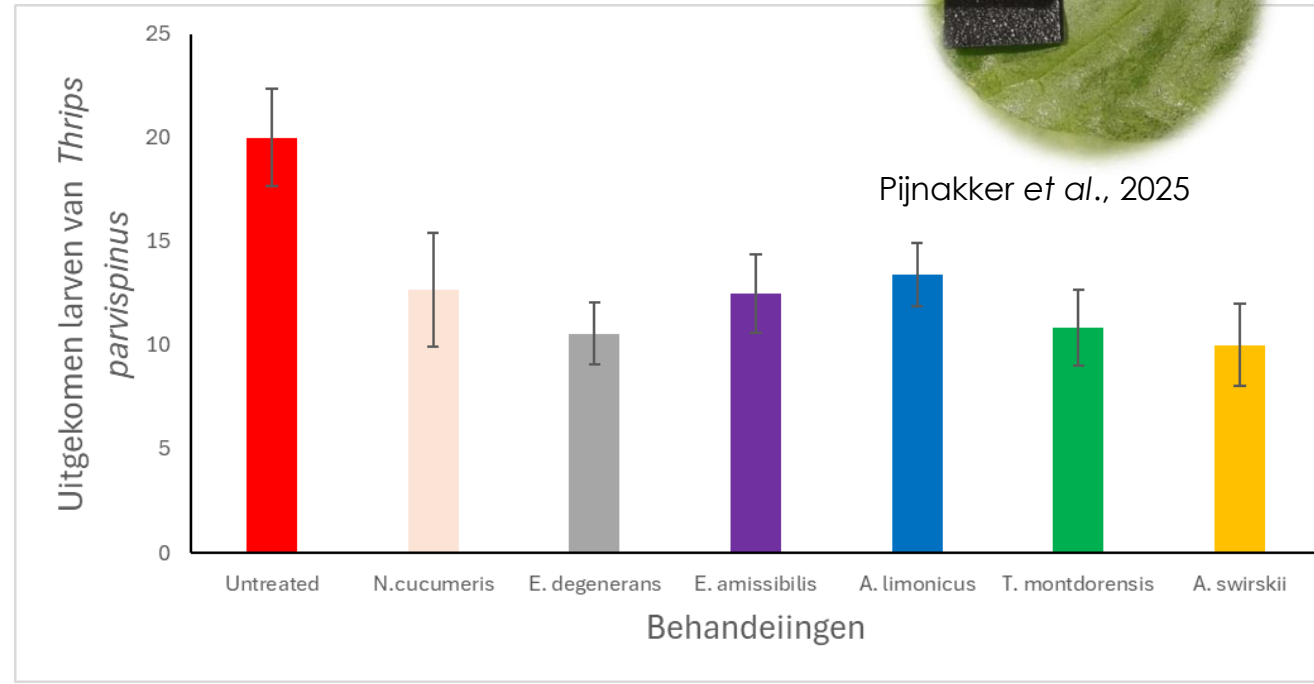
Thrips survival and predator oviposition rates

The average number of alive first instar thrips larvae after four days of exposure to *E. degenerans* was high (13.6 ± 0.2 (SE) out of 15). This predatory mite produced very few eggs on a diet of thrips larvae, and the difference with oviposition on a pollen diet was highly significant (Fig. 2a; $F_{1,18} = 44.0$, $p < 0.0001$). Significantly fewer thrips



Roofmijten tegen *Thrips parvispinus*

- ❖ Spanje: *Amblydromalus limonicus* in paprika (Sara Bouagga et al., 2025)
- ❖ Nederland: labtest predatie op larven en tripseieren
- ❖ Canada: *Anystis baccarum*
 - ❖ Labtest: 24 uur > 17 thrips bestreding met *Anystis baccarum* en *Orius insidiosus*
 - ❖ 8-weken-lang kooiproef in een kas: 80% minder *T. parvispinus*



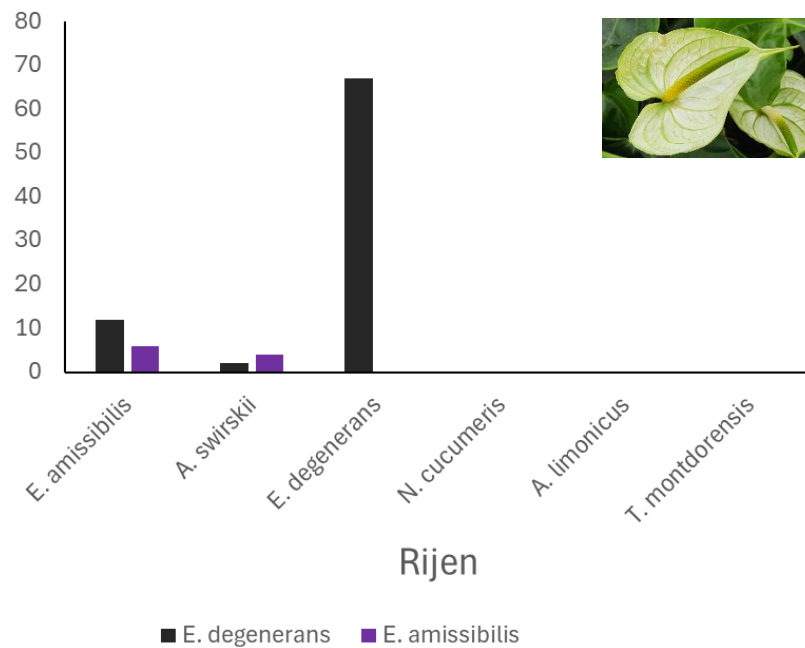
NAAR KAS: Vestiging?



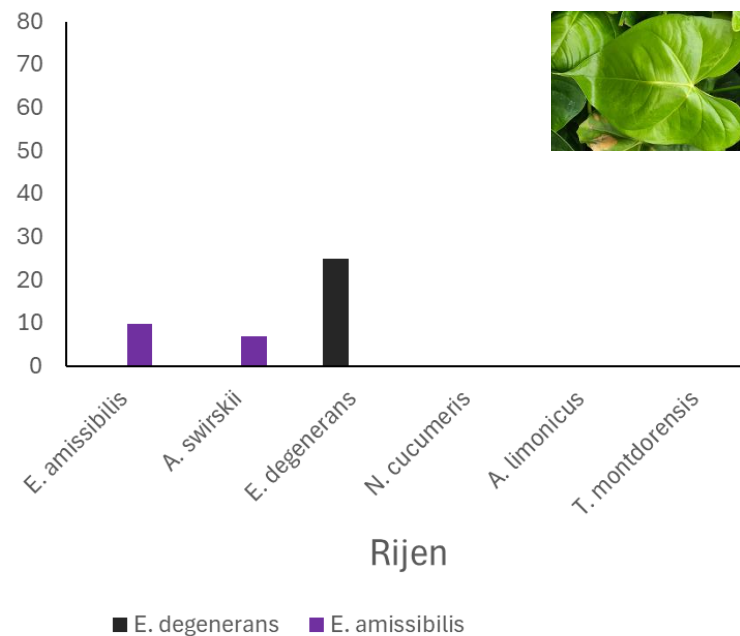
***Euseius degenerans*!**



Roofmijten op 100 bloemen
in week 16

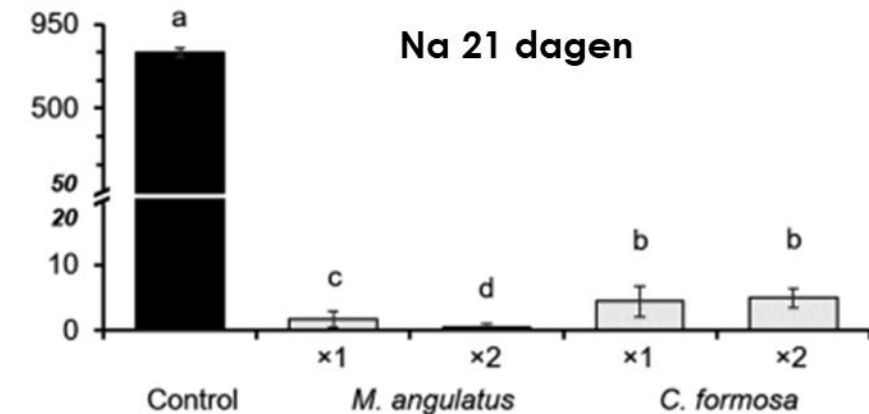
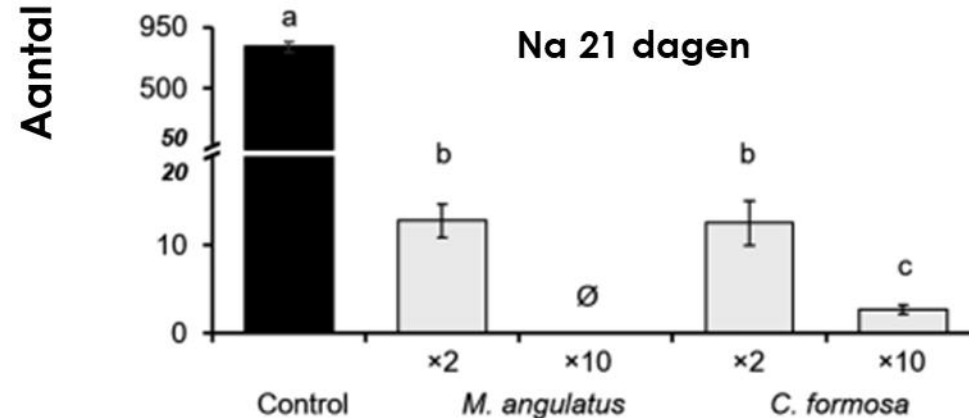
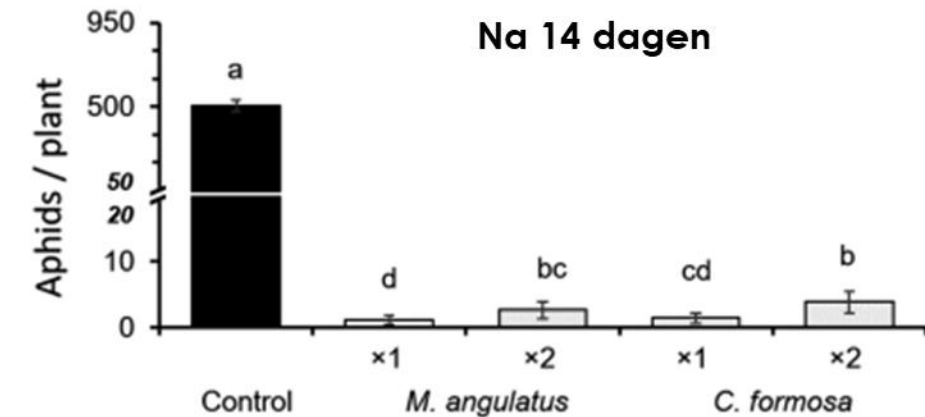
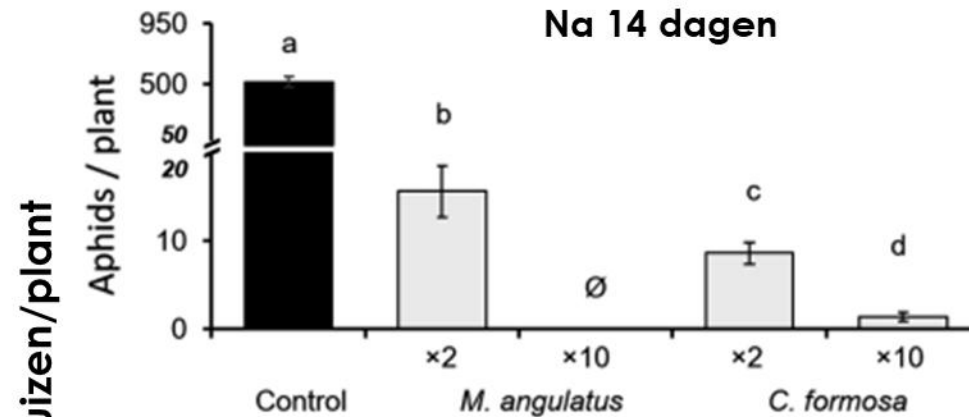


Roofmijten op 100
Anthuriumbladeren
in week 16



VAN LAB: Bladluisbestrijding met *Micromus angulatus*

- ❖ 1x 20 perzikluizen/paprikaplant
- ❖ Na 4 dagen, 2 of 10 predatoren/plant



NAAR KAS: *Micromus angulatus*



VAN LAB: Bestrijding van galmijten en meeldauw met *Homeopronematus anconai* en *Pronematus ubiquitus*



Pest Management
Science



Research Article

Dual protection: A tydeoid mite effectively controls both a problem pest and a key pathogen in tomato

Juliette Pijnakker, Rob Moerkens, Dominiek Vangansbeke, Marcus Duarte, Stijn Bellinx, Alfredo Benavente, Jonas Merckx, Ian Stevens, Felix Wäckers

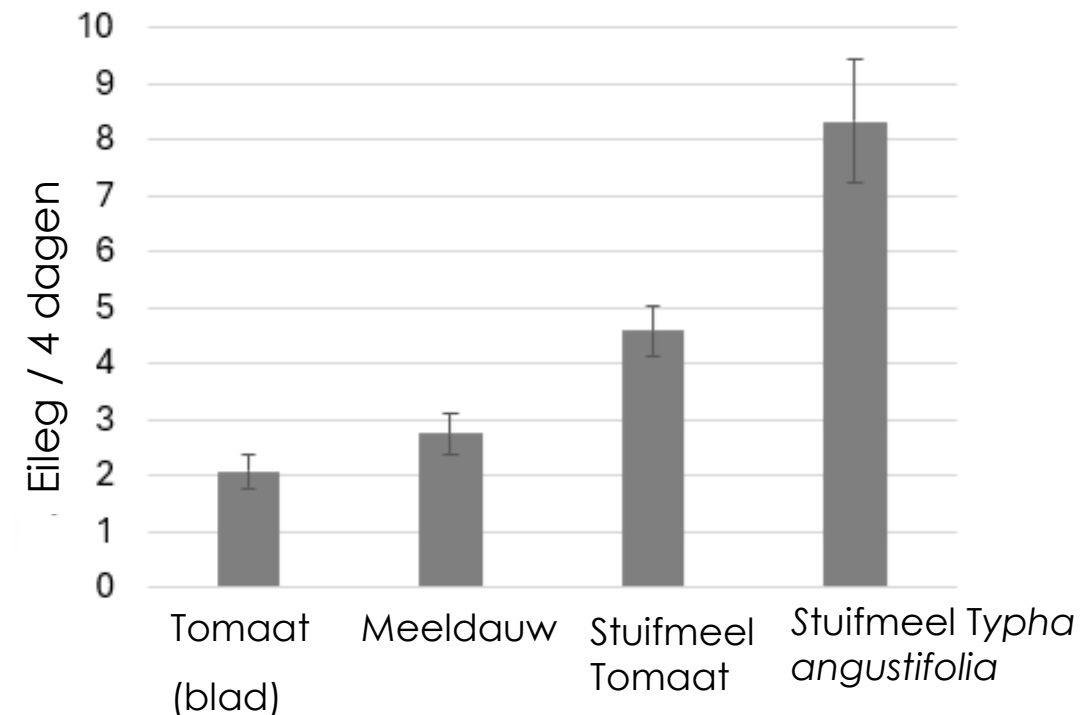
First published: 17 September 2021 | <https://doi.org/10.1002/ps.6647>



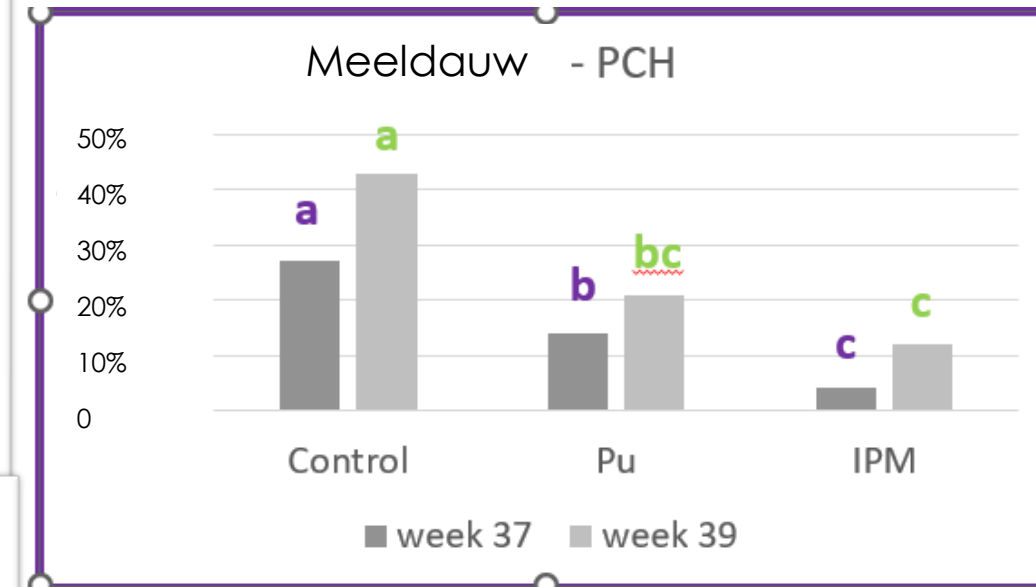
Article

Evaluation of Natural and Factitious Food Sources for *Pronematus ubiquitus* on Tomato Plants

Marcus V. A. Duarte ^{1,*}, Dominiek Vangansbeke ¹, Juliette Pijnakker ¹, Rob Moerkens ¹, Alfredo Benavente ¹, Yves Arijis ¹, Ana Lizbeth Flores Saucedo ² and Felix Wäckers ¹



NAAR KAS: Bestrijding van meeldauw met roofmijten



NAAR KAS: *Verify*

- ❖ *Thrips parvispinus* in Anthurium
- ❖ Bestrijding van Wolluis in Phalaenopsis
- ❖ Neveneffecten biopesticiden en hulpstoffen op *Diglyphus* in gerbera
- ❖ Bestrijding van Nezara in komkommer



Sergio Harinck

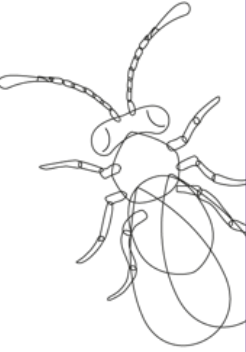


Trissolcus basalis resulteerde in 40% effectiviteit

				Abbott (%)					
Object	Middel	Dosering	Toepassingsmoment	6DA-C		6DA-D		6DA-E	
1	Onbehandeld (water)	-	CDE	0,00	a	0,00	a	0,00	a
2	Closer	0,4L/ha	CE	69,68	cd	70,13	cd	86,35	cde
3	Sivanto Prime	75ml/hl	CE	80,54	cd	78,49	d	95,45	e
4	Decis Protech	83ml/hl	CDE	95,31	d	81,82	d	89,90	de
5	Vertimec Gold	50ml/hl	CE	72,94	cd	67,03	bcd	78,03	bcde
6	Proclaim	1,5kg/ha	CE	56,92	bc	61,21	bcd	71,68	bc
7	NeemAzal T/S + <i>Trissolcus basalis</i> (vrouw)	2,5l/ha	CDE + ABCDE	29,73	b	38,21	b	73,68	bcd
8	<i>Trissolcus basalis</i> (vrouw)	3/m2	ABCDE	39,21	b	44,80	bc	44,60	b
tprob				0,000		0,000		0,000	
lsd				28,8		29,7		17,4	

VAN VELD NAAR LAB: Lieverheersbeestjes

- ❖ Meeldauwlieveheersbeestje *Halyzia sedecimguttata* (H16)
- ❖ Twaalfvleklieveheersbeestje *Vibidia duodecimguttata* (V12)
- ❖ Zestienstippelig lieveheersbeestje *Tytthaspis sedecimpunctata* (T16)
- ❖ Citroenlieveheersbeestje of tweeëntwintigstippelig lieveheersbeestje *Psyllobora vigintiduopunctata* (P22)



Nguyen et al., 2025



VAN KAS NAAR LAB: Roofvliegen

- ❖ *Medetera discotarsus*
- ❖ *Medetera zeurnietensis*



Discovery of a new opportunistic *Medetera* species (Diptera: Dolichopodidae) in Dutch greenhouses with a great potential as biological control agent of thrips and other greenhouse pest species

Original Article | Published: 19 March 2025

Volume 80, pages 1709–1716, (2025) [Cite this article](#)

Marc Pollet ✉, Michelle Goutziers, Ivan D. Valdes & Jozef B. Woelke

Suzanne van Muijlwijk & Joop Woelke



VAN KAS NAAR LAB: Spinnen

- ❖ Hangmatspin *Erigone dentosa*
- ❖ Zwartgatje *Ostearius melanopygius*
- ❖ Amerikaanse kasdwergrsp *Mermessus denticulatus*
- ❖ Kaskaardesp *Uloborus plumipes*
- ❖ Kleine trilsp *Psilochorus simoni*
- ❖ Huissteatoda *Steatoda triangulosa*
- ❖ Cacaokogelsp *Coleosoma floridanum*



Leman et al., 2025