

Table 1. Management of Swede Midge on Organic Farms: Progress from 2015 Study and on-Farm Trials and Demonstrations for 2016.

Grower Cooperator	Location (Address & County)	Total Acres in Cole Crops out of Total Farm Acres	General SM Pressure	Progress Made During 2015 SM project	Planned On-farm Trials and Demonstrations in 2016
Mark Printz, Canticle Farm (Cattaraugus Co.)	3835 South Nine Mile Rd, Allegany, NY 14706	1 out of 8 acres = 12.5%	Moderate to High	<ul style="list-style-type: none"> • Main farm is completely infested; with continuous plantings of brassicas, most susceptible crops (broccoli, Red Russian kale) can't escape infestation. • Crop rotation as a management strategy is limited on small land base. • Exclusion netting appeared to be effective for fall Brussels sprouts. 	<ul style="list-style-type: none"> • Continue whole farm monitoring of SM. • Spring Emergence: after SM-infested fall planting (cages) • Spring emergence: after SM-infested summer planting (cages) • Insect exclusion netting trial in summer broccoli. • Trial garlic oil repellent – 3 trials • Investigate post-harvest practices on emergence of SM - trial
Liz Martin and Matthew Glen, Muddy Fingers (Schuyler Co.)	3859 Dugue Rd, Hector, NY	0.5-0.75 out of 3 acres = 17-25%	Moderate to High	<ul style="list-style-type: none"> • Success with exclusion netting in combination with landscape fabric or black plastic mulch in spring and fall broccoli; concerns about differences in plant development, especially in fall broccoli. • Asian brassica plantings escaped infestation despite very high trap catches. Are they tolerant? 	<ul style="list-style-type: none"> • SM population monitoring: <ul style="list-style-type: none"> • Spring Emergence: after SM-infested fall planting (3 sites, 2 cages) • Spring Emergence: after SM-infested summer crop (2 sites, 1 cage) • Study effects of mulch type (white & silver vs. hay) in combination with insect exclusion netting (white vs. green) – 1 trial
Lou Johns Blue Heron Farm (Seneca Co.)	1641 Shaw Rd, Lodi, NY	1.5-2.0 out of 12 acres = 12.5–17%	High	<ul style="list-style-type: none"> • Multiple fields excluded from each other provide opportunity for far and wide crop rotation to be a very effective management strategy on this farm; knowing when and where it is safe to plant is critical. • Transplants became infested during outdoor hardening-off phase and were source of SM-infestation in the field. 	<ul style="list-style-type: none"> • Continue whole farm monitoring and implement crop rotation decisions based on monitoring results.

Table 1 (cont.). Management of Swede Midge on Organic Farms: Progress from 2015 Study and on-Farm Trials and Demonstrations for 2016.

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Dennis & Bridget Reynolds Quest Farm Produce (Allegany Co.)	7142 State Rte 21, Almond, NY	0.12 Out of 8 acres = 3%	High	<ul style="list-style-type: none"> • Multiple fields excluded from each other provide opportunity for far and wide crop rotation to be a very effective management strategy on this farm. • Make sure to exclude SM from transplant production 	<ul style="list-style-type: none"> • Open air crop preference/trap crop trial • Effect of plastic mulch on SM pupation and emergence trial
Ryan Maher, HCT Vegetable Research Farm (Tompkins Co.)	133 Fall Creek Road, Freeville, NY 13608	1 out of 20 acres = 5%	Minor to Moderate	<ul style="list-style-type: none"> • SM first detected on farm in 2015, where damage interfered with a tillage and mulch systems trial in cabbage. 	<ul style="list-style-type: none"> • Study effect of no tillage, Minimum Fall tillage and No tillage + tarp on SM emergence as part of tillage and mulch systems project.