

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, <b>Canticle Farm (Cattaraugus Co.)</b>	3835 South Nine Mile Rd, Allegany, NY 14706	1 out of 8 acres = 12.5%	<b>Moderate to High</b>	<ul style="list-style-type: none"> <li>• Main farm is completely infested; with continuous plantings of brassicas, most susceptible crops (broccoli, Red Russian kale) can't escape infestation.</li> <li>• Crop rotation as a management strategy is limited on small land base.</li> <li>• Exclusion netting appeared to be effective for fall Brussels sprouts.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue whole farm monitoring of SM.               <ul style="list-style-type: none"> <li>• Spring Emergence: after SM-infested fall planting (cages)</li> <li>• Spring emergence: after SM-infested summer planting (cages)</li> </ul> </li> <li>• Insect exclusion netting trial in summer broccoli.</li> <li>• Trial garlic oil repellent – 3 trials</li> <li>• Investigate post-harvest practices on emergence of SM - trial</li> </ul>
Liz Martin and Matthew Glen, <b>Muddy Fingers (Schuyler Co.)</b>	3859 Dugue Rd, Hector, NY	0.5-0.75 out of 3 acres = 17-25%	<b>Moderate to High</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Asian brassica plantings escaped infestation despite very high trap catches. Are they tolerant?</li> </ul>	<ul style="list-style-type: none"> <li>• SM population monitoring:               <ul style="list-style-type: none"> <li>• Spring Emergence: after SM-infested fall planting (3 sites, 2 cages)</li> <li>• Spring Emergence: after SM-infested summer crop (2 sites, 1 cage)</li> </ul> </li> <li>• Study effects of mulch type (white &amp; silver vs. hay) in combination with insect exclusion netting (white vs. green) – 1 trial</li> </ul>
Lou Johns <b>Blue Heron Farm (Seneca Co.)</b>	1641 Shaw Rd, Lodi, NY	1.5-2.0 out of 12 acres = 12.5–17%	<b>High</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Transplants became infested during outdoor hardening-off phase and were source of SM-infestation in the field.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue whole farm monitoring and implement crop rotation decisions based on monitoring results.</li> </ul>

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

<b>Grower Cooperator</b>	<b>Location (Address &amp; County)</b>	<b>Total Acres in Cole Crops out of Total Farm Acres</b>	<b>General SM Pressure</b>	<b>Progress Made During 2015 SM project</b>	<b>Planned On-farm Trials and Demonstrations in 2016</b>
Dennis & Bridget Reynolds <b>Quest Farm Produce (Allegany Co.)</b>	7142 State Rte 21, Almond, NY	0.12 Out of 8 acres = 3%	<b>High</b>	<ul style="list-style-type: none"> <li>• Multiple fields excluded from each other provide opportunity for far and wide crop rotation to be a very effective management strategy on this farm.</li> <li>• Make sure to exclude SM from transplant production</li> </ul>	<ul style="list-style-type: none"> <li>• Open air crop preference/trap crop trial</li> <li>• Effect of plastic mulch on SM pupation and emergence trial</li> </ul>
Ryan Maher, <b>HCT Vegetable Research Farm (Tompkins Co.)</b>	133 Fall Creek Road, Freeville, NY 13608	1 out of 20 acres = 5%	<b>Minor to Moderate</b>	<ul style="list-style-type: none"> <li>• SM first detected on farm in 2015, where damage interfered with a tillage and mulch systems trial in cabbage.</li> </ul>	<ul style="list-style-type: none"> <li>• Study effect of no tillage, Minimum Fall tillage and No tillage + tarp on SM emergence as part of tillage and mulch systems project.</li> </ul>