

Table 1. Management of Swede Midge on Organic Farms: Background Information of Grower Cooperators.

Grower Cooperator	Farm Name	Location	Total Acres	Acres of Cole Crops	Cole Crop Plantings			Source of Cole Crop transplants	SM history
					Spring	Summer	Fall		
Mark Printz	Canticle Farm	3835 South Nine Mile Rd, Allegany, NY 14706 (Cattaraugus)	8 acres	1 acre	Cabbage, kohlrabi, cauliflower, kale, radish, turnips	Cabbage, cauliflower, kale, radish, turnip	Cabbage, cauliflower, broccoli, kale, kohlrabi, radish, turnip	Grow own in greenhouse	80% crop loss in spring broccoli (does not grow anymore), minor damage in fall Brussels sprouts, broccoli, red cabbage, kohlrabi
Dennis & Bridget Reynolds	Quest Farm Produce	7142 State Rte 21, Almond, NY (Allegany Co.)	4 acres	0.12 acres	Broc, Caul, Cabb, Kale, Kohl, A. greens, Radish	Cabb, Kale, Turnip	Broc, Caul, Brus Sprt, Cabb, Kale, Kohl, Radish, Turnip	Grow own in greenhouse	Just learned about SM in 2014: minor damage in spring broccoli and kohlrabi. Moderate-severe damage in fall broccoli.
Sasha & Amanda Khodorkovskiy	Living Acres Farm	2052 Hemlock Hill Road, Alfred Station (Allegany)	3 acres	0.25 acres	kohlrabi	kohlrabi	Kohlrabi, broccoli, cauliflower, kale	Grow own in greenhouse	Loss in broccoli, kohlrabi and certain varieties of kale during 2013 & 2014.
Liz Martin & Matthew Glen	Muddy Fingers	3859 Dugue Rd, Hector, NY (Schuyler Co.)	3 acres	0.5-0.75 acres	Broccoli, cabbage, kale	Broccoli, cabbage	Broc, Chinese cabbage, pac choi, kohlrabi, kale, rutabagas, B-sprouts, turnips, mustards watermelon & daikon radishes	Grow own in greenhouse	100% crop loss of broccoli in 2011, 2012 & 2014. Demonstrated success with exclusion netting in 2013; Demonstrated failure in 2014.
Robin Ostfeld & Lou Johns	Blue Heron Farm	1641 Shaw Rd, Lodi, NY (Seneca Co.)	12 acres	1.5-2.0 acres	cabbage		Broccoli, bok choi, B-sprouts, Napa cabbage, cabbage, caul collards, kale, rutabagas, turnips, radish	Grow own in greenhouse	First noticed in 2013. 100% crop loss of fall cauliflower (cv. Celeritas), 75% loss of broccoli (cv. Green Magic). Noticable differences among varieties (range 20-100%).
Andy Fellenz	Fellenz Family Farm	1919 Lester Road, Phelps, NY 14456 (Ontario Co.)	5 acres	0.5 acres	Kohlrabi, cabbage	Kohlrabi, cabbage, Napa cabbage	Kohlrabi, Brussels sprouts, cabbages	Grow own in greenhouse	Problematic in fall kohlrabi, In fall 2012, lost 100% broccoli & 50% kohlrabi, much reduced losses now due to extended rotations and reduced plantings

Table 2. Management of Swede Midge on Organic Farms: Planned On-farm Trials and Demonstrations.

Grower Cooperator	Farm Name	Location	General SM pressure	Standard cultural practices	Planned SM trials
Mark Printz	Canticle Farm	Allegany, NY (Cattaraugus Co.)	Minor-Moderate (10% crop loss, especially in Brussels sprouts, broccoli in fall)	Bare ground & bio-tello, 5' wide bed 100-300' long 2 rows per bed	1 trial: i) in fall Brussels sprouts (150' of netting) 1) Bare ground 2) Exclusion netting 3) Exclusion netting + bio-tello mulch
Dennis & Bridgett Reynolds	Quest Farm Produce	Almond, NY (Allegany Co.)	Minor-Moderate (10-70% crop loss, especially broccoli)	Bare ground 4' wide bed 100' long 2 rows/bed	1 trial: i) In fall broccoli (100' of netting) 1) Bare ground 2) Exclusion netting 3) Exclusion netting + straw mulch 4) Garlic repellent
Sasha & Amanda Khodorkovskiy	Living Acres Farm	Alfred Station, NY (Allegany Co.)	Moderate (25-50% crop loss in some plantings)	Black plastic & bare ground 4' wide bed 100' long	2 trials: ii) Spring kohlrabi, ii) fall kohlrabi (100 ft of netting) 1) Bare ground 2) Exclusion netting 3) Exclusion netting + black plastic mulch 4) Garlic repellent
Liz Martin & Matthew Glen	Muddy Fingers	Hector, NY (Schuyler Co.)	Moderate-Severe (100% loss in some plantings, especially broccoli)	Bare ground 42" wide bed 100' long 2 rows per bed	2 trials: i) Spring & ii) fall broccoli (300' of netting) 1) Bare ground 2) Exclusion netting 3) Exclusion netting + landscape fabric 4) Exclusion netting + hay mulch 5) Garlic repellent
Robin Ostfeld & Lou Johns	Blue Heron Farm	Lodi, NY (Seneca Co.)	Minor-Severe (broccoli & some varieties of cauliflower, variable 0 to 100% loss)	Bare ground, 6' wide bed 4 rows per bed 200', 250' or 300'	1 trial: i) Fall broccoli 1) Bare ground 2) Garlic repellent
Andy Fellenz	Fellenz Family Farm	Phelps, NY (Ontario Co.)	Minor (<10% crop loss, especially in fall kohlrabi, more severe outbreaks in the past)	Bare ground, 4-5' wide beds 88-300' long 2-3 rows per bed	1 trial: i) fall kohlrabi (150' of netting) 1) Bare ground 2) Exclusion netting 3) Exclusion netting + straw mulch