

Vegetable Yields from no-till trials (spinach results from Maryland reported elsewhere in Lounsbury and Weil, 2014, and not duplicated here).

Fresh yields of spinach in Maine, 2014

Fall radish seeding date	Spring tillage treatment	N applied in fall¹ (lb/acre)	N applied at planting¹ (lb/acre)	Fresh yield (lb/acre)
8/4/13	No-till	40	0	4781 (699)
8/4/13	No-till	40	50	6054 (1411)
8/15/13	No-till	40	0	3220 (619)
8/15/13	No-till	40	50	4143 (43)
9/1/13	No-till	40	0	4173 (1163)
9/1/13	No-till	40	50	4086 (359)
No cover crop	No-till	0	40	2095 (1404)
No cover crop	No-till	0	90	3023 (1194)
8/4/13	Rototilled	0	40	6391 (650)
8/4/13	Rototilled	40	50	6903 (2141)
8/15/13	Rototilled	40	0	4624 (217)
8/15/13	Rototilled	40	50	4545 (1776)
9/1/13	Rototilled	40	0	3793 (1157)
9/1/13	Rototilled	40	50	5508 (31)
No cover crop	Rototilled	0	40	1054 (427)
No cover crop	Rototilled	0	90	2196 (346)

Average of two blocks. Number in parenthesis is standard deviation.

¹Applied as mustard seed meal and fish meal. No cover crop control received all fertilizer at planting.

Fresh yields of carrot roots in Maine, 2014.

Fall radish seeding date	Spring tillage treatment	N applied in fall¹ (lb/acre)	N applied at planting¹ (lb/acre)	Plants/ft	Yield (lb/acre)
8/4/13	No-till	40	0	6 (2)	16339 (3957)
8/4/13	No-till	40	50	8 (3)	19856 (9408)
8/15/13	No-till	40	0	6 (2)	15329 (3591)
8/15/13	No-till	40	50	8 (4)	20985 (8985)
9/1/13	No-till	40	0	7 (0)	15525 (2111)
9/1/13	No-till	40	50	7 (2)	19082 (4446)
No cover crop	No-till	0	40	8 (3)	15604 (1309)
No cover crop	No-till	0	90	8 (1)	13767 (3686)
8/4/13	Rototilled	0	40	11 (4)	23741(3873)
8/4/13	Rototilled	40	50	10 (2)	25736 (3997)
8/15/13	Rototilled	40	0	10 (4)	21838 (7602)
8/15/13	Rototilled	40	50	11 (5)	25710 (9964)
9/1/13	Rototilled	40	0	10 (2)	23045 (596)
9/1/13	Rototilled	40	50	10 (2)	24935 (5444)
No cover crop	Rototilled	0	40	10 (1)	17310 (3398)
No cover crop	Rototilled	0	90	11 (1)	21261 (4515)

Average of three blocks. Number in parenthesis is standard deviation.

¹Applied as mustard seed meal and fish meal. No cover crop control received all fertilizer at planting.

Fresh yields of lettuce at three site years in Maryland, USA.

Cover crop/tillage treatment	Central Maryland Research and Education Center, Clarksville		Wye Research and Education Center
	2012	2013	2012
	----- <i>Mg ha⁻¹</i> -----		
Forage radish (no-till)	21 (4.3) ¹	18 (2.5)	6.5 (1.5)
Forage radish (rototilled)	37 (6.7)	20 (3.1)	17 (1.1)
No cover (rototilled)	29 (3.9)	12 (2.0)	—

Means of three blocks are presented and number in parentheses is standard error of the mean.

¹Lettuce was all harvested on the same date. Some no-till lettuce heads were left to mature in the field for two weeks and reached the same size as the rototilled lettuce harvested two weeks