

Table 14. Effect of brassica cover crops on **economic return of transplanted onions** (c.v. Bradley) grown in the muck soils at **Mortellaro** in Elba, NY.

Field ³		Incorporated Mustard Cover Crop Optimally Planted (Aug 7)	Incorporated Mustard Cover Crop Late Planted (Sep 26)	Winter-Killed Mustard Cover Crop Late Planted (Aug 27)	Winter-Killed Forage Radish Cover Crop Late Planted (Aug 30)
EXPENSES (\$/A)²:					
Cover Crop		Brown/yellow mustard blend c.v. Caliente @ 12 lb/A \$5.25/A	Brown/yellow mustard blend c.v. Caliente @ 12 lb/A \$5.25/A	Brown/yellow mustard blend c.v. Caliente @ 12 lb/A \$5.25/A	Forage radish c.v. Exotill Buster @ 8 lb/A \$3.30/A
Cost of Seed		\$63	\$63	\$63	\$26.40
Cost to manage cover crop		\$48 (Seed, chop, plow, roll ¹)	\$48 (Seed, chop, plow, roll ¹)	\$12 (Seed ¹)	\$12 (Seed ¹)
Total cost of cover crop		\$111	\$111	\$75	\$38.40
INCOME (\$/A):					
Undersize (<1.75")	cwt	1.6	4.5	0.7	1.6
\$6/cwt	\$/A	\$9	\$27	\$4	\$9
Small (1.75-2.25")	cwt	8.7	19.2	10.5	17.4
\$10/cwt	\$/A	\$87	\$192	\$104	\$174
Medium (2.25-3")	cwt	190	279	188	373
\$16/cwt	\$/A	\$3,039	\$4,460	\$3,011	\$3,150
Jumbo (>3")	cwt	448	268	373	362
\$20/cwt	\$/A	\$8,956	\$5,367	\$7,457	\$7,248
Total Income:	cwt	648	571	572	578
	\$/A	\$12,091	\$10,046	\$10,577	\$10,582
NET RETURN (\$/A):		\$11,980	\$9,935	\$10,502	\$10,544

¹\$12/A for each tractor pass. ²Only expenses related to cover crop treatment included. ³Brown/yellow mustard blend (c.v. Caliente) 12 lb/A; optimally planted on Aug-7-2013 and incorporated via chopping, plowing and rolling on Oct-23-2013 when mustard 5 feet tall with 70% in bloom; late planted on Sep 26-2013 (37 days late) and incorporated in the same manner on Oct-28-2013 when mustard was 4 feet tall with 30% bloom. Winter-killed late planted mustard was planted on Aug-27-2013 (7 days late). Forage radish (c.v. Ecotill Buster) 8 lb/A was planted on Aug 30-2013 (10 days late).