

Table 6. Feasibility of growing direct seeded onions in a minimum tillage (MT) system using wheat and barley cover crops in muck soil, Elba, NY, 2011: Pest Pressure.

	Botrytis Leaf Blight No. Lesions per Leaf		Onion Thrips No. Onion Thrips per Leaf	
	<i>6-7 leaf</i>	<i>8-9 leaf</i>	<i>6-7 leaf</i>	<i>8-9 leaf</i>
<i>Crop Stage:</i>				
<i>Date:</i>	<i>July 15-16</i>	<i>Aug 11-12</i>	<i>July 15-16</i>	<i>Aug 11-12</i>
<b><i>cv. Festival:</i></b>				
Conventional	2.0 b <sup>1</sup>	0.5	1.1 b	0.8 a
MT-Wheat	3.4 a	0.8	1.7 b	0.7 a
MT-Barley	2.4 b	1.0	3.4 a	0.3 b
<b><i>p-Value (α=0.05)</i></b>	<b><i>0.0299<sup>2,3</sup></i></b>	<b><i>NS<sup>2</sup></i></b>	<b><i>0.0000</i></b>	<b><i>0.0006</i></b>
<b><i>cv. Safrane:</i></b>				
Conventional	2.5	1.4 a	0.8 c	1.8 a
MT-Wheat	3.6	1.2 a	2.9 b	0.6 b
MT-Barley	3.4	0.5 b	4.3 a	0.5 b
<b><i>p-Value (α=0.05)</i></b>	<b><i>NS</i></b>	<b><i>0.0003<sup>2</sup></i></b>	<b><i>0.0000</i></b>	<b><i>0.0000</i></b>
<b><i>Variety (pooled across tillage types):</i></b>				
Festival	2.6 b	0.8	2.1	0.6 b
Safrane	3.2 a	1.0	2.7	1.0 a
<b><i>p-Value (α=0.05)</i></b>	<b><i>0.0375</i></b>	<b><i>NS<sup>2</sup></i></b>	<b><i>NS<sup>2</sup></i></b>	<b><i>0.0005</i></b>
<b><i>Tillage Type (pooled across varieties):</i></b>				
Conventional	2.3 b	0.9	1.0 c	1.3 a
MT-Wheat	3.5 a	1.0	2.3 b	0.7 b
MT-Barley	2.9 ab	0.7	3.8 a	0.4 c
<b><i>p-Value (α=0.05)</i></b>	<b><i>0.0024</i></b>	<b><i>NS<sup>2</sup></i></b>	<b><i>0.0000<sup>2</sup></i></b>	<b><i>0.0000</i></b>
<b><i>Variety*tillage interaction p-value (α=0.05)</i></b>	<b><i>NS</i></b>	<b><i>0.0008</i></b>	<b><i>NS</i></b>	<b><i>0.0000</i></b>

<sup>1</sup>Numbers in a column followed by the same letter are not significantly different, Fisher's LSD Protected test, p<0.05. <sup>2</sup>Statistics performed on transformed data, y=log(x+1); non-transformed data is presented. <sup>3</sup>NS: Not significant according to Fisher's Protected LSD test, p>0.05.