

Table 7. Feasibility of growing direct seeded onions in a minimum tillage (MT) system in muck land, Elba, NY, 2011: Yield and Bulb Size Distribution at harvest on September 13 & 14, 2011.

	Total Marketable Yield (cwt/A)	Bulb Size Distribution (cwt/A)			
		<i>Small</i> (1.75-2.25")	<i>Medium</i> (2.25-3")	<i>Jumbo</i> (>3")	<i>Boilers</i> (<1.75")
<b>cv. Festival:</b>					
Conventional	415 b <sup>1</sup>	106 a	221 b	54 c	34 a
MT-Wheat	351 c	25 b	143 c	176 a	6 c
MT-Barley	509 a	87 a	299 a	102 b	20 b
<b><i>p-Value (α=0.05)</i></b>	<b>0.0001</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0005</b>
<b>cv. Safrane:</b>					
Conventional	410 b	69 a	199	124 b	18 a
MT-Wheat	487 a	42 b	209	228 a	8 b
MT-Barley	492 a	42 b	225	251 a	9 b
<b><i>p-Value (α=0.05)</i></b>	<b>0.0091</b>	<b>0.0038</b>	<b>NS<sup>2</sup></b>	<b>0.0001</b>	<b>0.0005</b>
<b>Variety (pooled across tillage type):</b>					
Festival	425 b	73 a	221	111 b	20 a
Safrane	463 a	51 b	211	189 a	12 b
<b><i>p-Value (α=0.05)</i></b>	<b>0.0287</b>	<b>0.0003</b>	<b>NS</b>	<b>0.0000</b>	<b>0.0030</b>
<b>Tillage Type (pooled across variety):</b>					
Conventional	413 b	87 a	210 b	89 c	26 a
MT-Wheat	419 b	34 c	176 b	202 a	7 c
MT-Barley	500 a	65 b	262 a	159 b	15 b
<b><i>p-Value (α=0.05)</i></b>	<b>0.0001</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Variety*tillage interaction <i>p-value (α=0.05)</i></b>	<b>0.0006</b>	<b>0.0001</b>	<b>0.0002</b>	<b>NS</b>	<b>0.0209</b>

<sup>1</sup>Numbers in a column followed by the same letter are not significantly different according to Fisher's Protected LSD test, p<0.05.

<sup>2</sup>NS: Not significant, according to Fisher's Protected LSD test, p>0.05.