

Table 4. Feasibility of growing direct seeded onions in a minimum tillage system in muck land, Elba, 2011: Stand and Plant Size.

Plant Stage:	Plant Stand: No. per foot Seeding rate: 7 seeds per foot			Plant Size: No. leaves per plant			Plant Height: Tallest Leaf per Plant (inches)			Neck Diameter (inch)	% Lodging
	1-leaf	3-4 leaf	Harvest	3-4 leaf	6-7 leaf	8-9 leaf	3-4 leaf	6-7 leaf	8-9 leaf	8-9 leaf	Harvest
	Date:	June 3	June 29	Sept 13-14	June 29	July 15	Aug 11-12	June 29	July 15	Aug 11-12	Aug 11-12
cv. Festival											
Conventional	6.2 a ¹	5.2 a	4.5 a	3.8 b	6.1 b	8.3 b	10.4 c	17.3 b	22.7 b	0.56 b	65.4 b
MT-Wheat	4.1 b	3.6 b	2.4 b	4.0 a	6.8 a	8.9 a	12.2 b	20.2 a	24.9 a	0.68 a	87.4 a
MT-Barley	5.8 a	5.2 a	4.5 a	4.1 a	7.0 a	8.1 b	13.0 a	20.4 a	25.2 a	0.55 b	86.3 a
p-Value ($\alpha=0.05$)	0.0000	0.0000	0.0000	0.0033	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0284
cv. Safrane											
Conventional	4.9	--	3.8	--	6.2 b	8.6 b	--	17.4 b	25.0 b	0.66 b	67.5 b
MT-Wheat	4.1	--	3.5	--	8.1 a	9.9 a	--	21.0 a	26.7 a	0.72 a	90.3 a
MT-Barley	4.8	--	3.5	--	7.5 a	9.5 a	--	20.3 a	26.4 a	0.71 ab	93.3 a
p-Value ($\alpha=0.05$)	NS²	--	NS	--	0.0077	0.0000	--	0.0000	0.0002	0.0375	0.0000
Variety (pooled across tillage types)											
Festival	5.4 a	--	3.8	--	6.6 b	8.5 b	--	19.3	24.3 b	0.60 b	77.0
Safrane	4.6 b	--	3.6	--	7.3 a	9.3 a	--	19.5	26.1 a	0.69 a	83.7
p-Value ($\alpha=0.05$)	0.0004	--	NS	--	0.0118	0.0000	--	NS	0.0000	0.0000	NS
Tillage Type (pooled across varieties)											
Conventional	5.6 a	--	4.2 a	--	6.2 b	8.5 b	--	17.3 b	23.9 b	0.61 b	65.6 b
MT-Wheat	4.1 b	--	2.9 b	--	7.4 a	9.4 a	--	20.6 a	25.8 a	0.70 a	88.1 a
MT-Barley	5.3 a	--	4.0 a	--	7.3 a	8.8 b	--	20.3 a	25.8 a	0.63 b	90.0 a
p-Value ($\alpha=0.05$)	0.0000	--	0.0000	--	0.0001	0.0000	--	0.0000	0.0000	0.0000	0.0000
Variety*tillage interaction p-value ($\alpha=0.05$)	0.0225	--	0.0000	--	NS	0.0111	--	NS	NS	0.0026	NS

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

²NS: not significant, according to Fisher's Protected LSD test, p.0.05.