

Table 11. Effect of incorporated optimally planted mustard cover crop¹ on **potential to reduce seeding rate in yellow direct seeded onions** (c.v. Hendrix) grown in the muck soils at **Triple G** in Elba, NY: **small-plot field trial**.

Treatment	Yield: bulb size distribution (per 25 ft ²)												Estimated Total Marketable Yield (cwt/A)	Final Stand (No. bulbs/ft)	% of Maximum Stand
	Undersize (<1.75")		Small (1.75-2.25")		Medium (2.25-3")		Jumbo (>3")		Bacterial Bulb Decay		Culls				
	No. bulbs	Weight (lb)	No. bulbs	Weight (lb)	No. bulbs	Weight (lb)	No. bulbs	Weight (lb)	No. bulbs	Weight (lb)	No. bulbs	Weight (lb)			
Standard 7.7 seeds/ft 267,981 plants/A	2.2	0.11	7.2	1.00	39.4 a ²	13.2 a	38.8	20.8	1.2	0.39	6.6	1.85	610	4.8 a	61.9
17% less 6.4 seeds/ft 222,424 plants/A	1.2	0.08	5.6	0.88	35.6 a	11.9 a	43.4	24.2	2.2	0.76	4.6	1.60	645	4.6 a	72.3
38% less 4.8 seeds/ft 166,148 plants/A	0.8	0.50	2.8	0.42	18.0 b	6.0 b	41.4	24.5	0.6	0.26	3.8	1.40	540	3.4 b	70.2
P Value ($\alpha=0.05$)	NS³	NS	NS	NS	0.0031	0.0051	NS	NS	NS	NS	NS	NS	NS	0.0010	NS

¹Brown/yellow mustard blend (c.v Caliente) 11 lb/A; optimally planted on Aug-20-2013.

Incorporation: cover crops chopped, disked and culti-mulched on Oct-25-2016 when mustard was 2 feet tall with ~1% in bloom.

²Numbers in a column followed by the same letter are not significantly different, Fisher's Protected LSD test, p<0.05.

³NS: Not significant according to Fisher's Protected LSD test, p > 0.05.