

Table 11. Effect of Insect Exclusion Netting (IEN) and black plastic mulch on heat stress, plant maturity and plant height on Sep 2 in summer-planted broccoli; Canticle Farm, Alleghany, NY, 2016.

Treatment		Unmarketable Heat Stress (% Plants)	Mean Maturity Rating (Scale: 0-7 <sup>1</sup> )	Plant Maturity Distribution (% per Category)				Mean Plant Height (in)
Mulch	Insect Exclusion Netting			Not Ready (1-2)	Ready (3)	Slightly Past (4-5)	A lot past (6-7)	
None Bare ground	None Open Air	0.0	2.4 c <sup>2</sup>	80.0 a	0.0	31.7	0 b	19.7 d
None Bare ground	IEN	23.3	5.5 a	6.7 b	8.3	43.3	61.7 a	23.4 b
Black Plastic	None Open Air	46.7	4.1 b	20.0 b	25.0	20.0	28.0 b	20.6 c
Black Plastic	IEN	3.3	5.0 a	10.0 b	0.0	23.3	46.7 ab	26.8 a
<b>P-value (<math>\alpha=0.05</math>)</b>		<b>0.2300</b>	<b>0.0000</b>	<b>0.0458</b>	<b>0.1411</b>	<b>0.2705</b>	<b>0.0248</b>	<b>0.0000</b>
Samples, reps		3 sub-samples of 10 plants in a row per rep. Only 10 plants in Bare ground Open Air.						10 plants per rep; 2 reps

<sup>1</sup>**Maturity Rating Scale:** 1—No head formation; 2—1-2" head (not ready); 3—Ready, nice dome; 4—Flat head (slightly past); 5—Early bolt (Slightly past); 6—Mid-bolt (past); 7—Late-bolt (past).

<sup>2</sup>Numbers in a column followed by the same letter are not significantly different, Fisher's Protected Least Significant Difference (LSD) test,  $p > 0.05$ .