

Table 8. Evaluation of seed and furrow fungicides for control of damping off pathogens in direct seeded onions grown in a minimum tillage system with spring killed winter wheat: Small-plot field trial, Elba, NY, 2011.

<i>Plant stage:</i>	<i>Loop- flag leaf</i>	<i>Loop-flag leaf</i>	<i>Loop- flag leaf</i>	<i>Flag-1<sup>st</sup> leaf</i>	<i>1-2 leaf</i>	<i>2+ leaf</i>	<i>2+ leaf</i>	<i>2+ leaf</i>	<i>2+ leaf</i>	<i>Harvest</i>	
<i>Date:</i>	<i>May 25</i>	<i>May 25</i>	<i>May 25</i>	<i>June 2</i>	<i>June 9</i>	<i>June 15</i>	<i>June 15</i>	<i>June 15</i>	<i>June 15</i>	<i>June 15</i>	<i>Sept 9</i>
<b>Treatment</b>	<b>Stand (No. plants per 20 ft row)</b>	<b>% Emerged<sup>2</sup></b>	<b>% dead seedlings (cause of death unknown: could be damping off, sunscald or wind whipping)</b>				<b>Cumulative Total % dead seedlings</b>	<b>Stand</b>	<b>% Onion Maggot</b>	<b>Final Stand</b>	<b>Total Yield (lbs/20ft row)</b>
1. Pro Gro	150	75.4	0.84	4.9	1.15	0.46	6.9	121	0.58	68	18.2
2. Pro Gro + Ridomil <sup>1</sup>	155	77.8	0.13	3.8	0.00	0.50	4.0	107	0.41	67	19.4
3. Pro Gro + D300	156	78.3	0.13	4.6	0.15	0.00	4.6	120	0.48	69	18.4
4. Pro Gro + D300 + Ridomil	132	65.9	0.18	5.3	1.02	0.28	6.3	99	0.67	68	20.7
5. Pro Gro + Coronet + Allegiance	140	70.5	0.75	5.0	1.15	0.53	6.8	121	1.18	61	18.0
6. Pro Gro + Coronet + Allegiance + Ridomil	161	80.8	0.25	4.6	0.00	0.35	4.9	127	0.57	73	20.1
<b><i>p-Value (α=0.5)</i></b>	<b><i>NS<sup>3</sup></i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>
Without Ridomil	149	74.7	0.57	4.8	0.81	0.33	6.1	121	0.75	66	18.2
With Ridomil	149	74.8	0.19	4.5	0.34	0.38	5.0	111	0.55	70	20.2
<b><i>p-Value (α=0.5)</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>
Pro Gro	153	76.6	0.48	4.3	0.58	0.48	5.4	114	0.50	67	18.9
Pro Gro + D300	144	72.1	0.16	4.9	0.58	0.14	5.4	110	0.57	69	19.4
Pro Gro + Coronet + Allegiance	151	75.7	0.50	4.8	0.57	0.44	5.8	124	0.87	67	18.9
<b><i>p-Value (α=0.5)</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS<sup>4</sup></i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>	<b><i>NS<sup>4</sup></i></b>	<b><i>NS</i></b>	<b><i>NS</i></b>

<sup>1</sup>Ridomil was applied as an in-furrow drench, all other fungicides were seed treatments. <sup>2</sup>% emerged = stand on May 25 / 200 seeds x 100; seeds were planted at 10 seeds/ft. <sup>3</sup>NS: Not significant according to Fisher's Protected LSD test, p>0.05. <sup>4</sup>Statistics performed on transformed data using  $y = \arcsin(x/100)^{0.5}$ . Non-transformed values are presented.