

“Cheat Sheet” for Seed Treatment and In-Furrow Treatments for Managing Maggots and Soilborne Diseases in Direct-Seeded Onion in New York, 2026



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Table 1. Insecticide Seed Treatments for Managing Maggots in Direct-Seeded Onions

Tradename	Active Ingredient(s)	Group IRAC ¹	Activity on Maggots ²
Sepresto 75 WS	clothianidin + imidacloprid	4A 4A	Very Good
NipsIt	clothianidin	4A	Very Good
Cruiser 5FS	thiamethoxam	4	Fair-Good
Lumiverd	spinosad	5	Fair
Trigard	cyromazine	17	Fair

1 **IRAC**: Insecticide Resistance Action Committee. Products belonging to different IRAC groups have different modes of action and kill insects differently. For resistance management, it is advisable to rotate among IRAC groups.

2 Maggots include onion maggot (*Delia antiqua*) and seedcorn maggot (*D. platura*). Our recent research has shown that seedcorn maggot may kill onion seedlings before and shortly after emergence, while onion maggot is the dominant species that kills onions after emergence (80-90% of infested plants), and seedcorn maggot is less prevalent (10-20% of infested plants).

Table 2. Fungicide Seed Treatments for Managing Soilborne Diseases in Direct-Seeded Onions

Tradename		Active Ingredient(s)	Group FRAC ¹	Activity on Target Pests	
				Onion Smut	Damping Off ²
EverGol Prime		penflufen	7	Excellent	None
Pro-Gro		thiram + carboxin	M3 7	Fair-Poor	Fair
FarMore F300 ³	Apron XL	mefenoxam	4	None	<i>Pythium spp.</i>
	Maxim 4FS	fludioxonil	12	None	<i>Rhizoctonia spp.</i> <i>Fusarium spp.</i>
	Dynasty	azoxystrobin	11	None	<i>Rhizoctonia spp.</i>
Thiram		thiram	M3	Poor	Fair

1 **FRAC**: Fungicide Resistance Action Committee.

2 Most common pathogens that cause damping off in onion in New York are *Pythium* species.

3 Apron, Maxim and Dynasty have activity on different genera of soilborne pathogens. Individually, these fungicides are not rated for their activity against the different damping off pathogens because we have no research results from New York. However, **FarMore F300** and **FI500** packages seem to have provided **fair control of damping off** in New York trials.

Table 3. Seed Treatment Packages

Insecticides	Fungicides
Sepresto 75 WS or NipsIt	EverGol Prime for Onion Smut + Fungicide for Pythium Damping Off^{1,2}
Sepresto 75 WS or NipsIt + Trigard	
Sepresto 75 WS or NipsIt + Lumiverd	
Lumiverd + Cruiser 5FS	
Trigard + Cruiser 5FS	

1 Fungicides specifically for damping off caused by *Pythium* species (most common in NY) include active ingredients **thiram** (such as Thiram 50WP, also in Pro-Gro) and **mefenoxam** (such as in Apron XL or FarMore F300).

2 When Trigard + Cruiser is combined with FarMore F300, this equals **FarMore FI500**.

Table 4. In-Furrow Drench Treatments for Managing Soilborne Diseases in Direct-Seeded Onions

Tradename	Active Ingredient(s)	Group FRAC ¹	Activity on Target Pests	
			Onion Smut	Damping Off ²
Ridomil Gold SL*	mefenoxam	4	None	Good (<i>Pythium spp.</i>)
Manzate Max*	mancozeb	M3	Fair-Poor	Fair

1 **FRAC**: Fungicide Resistance Action Committee.

2 Most common pathogens that cause damping off in onion in New York are *Pythium* species.

* And other labeled formulations, such as Dithane DG, Penncozeb, Roper, etc. for mancozeb.

Changes in pesticide registrations occur constantly and human errors are possible. Read the label before applying any pesticide. The label is the law. No endorsement of companies is made or implied.