

**Potato Seed Treatments****Do not use treated seed for food, feed or fodder.**

Potato seed treatment is one of the more overlooked portions of a whole-season disease control program. Properly suberized and treated seed will provide a better, more uniform stand of plants. Proper application of the appropriate material is necessary. Too much chemical may prove phytotoxic, especially if accumulated in the eyes of the tubers; inadequate coverage may not totally protect the seed piece. Many of these seed dust treatments are now formulated with Douglas fir or alder bark as a carrier. Improved healing of the cut surface has been reported with these products.

**CAUTION: Dip treatments may spread pathogens to seed pieces that were previously not affected, therefore, dip treatments are not recommended.**

**Chemical: Fludioxonil**

Remarks: Fungicide Resistance Group 12.

Trade Name	Rate of product per 100 lbs of seed	Comments
Maxim 4FS	0.08 fl oz	Restrictions apply for seed production -- read the label
Maxim MZ	0.5 lb	
Cruiser Maxx Potato	0.19 to 0.27 fl oz	Rate varies with the planting rate. Do not apply more than 0.125 pounds a.i per acre.

**Chemical: Flutolanil**

Remarks: Fungicide Resistance Group 7.

Trade Name	Rate of product	Comments
MonCoat MZ	0.75 lb. per 100 lbs of seed	
Moncut 70-DF	0.71 to 1.1 lbs per acre	Apply as in-furrow spray Uniformly around and over the seed piece in a 4-8 inch band just prior to covering with soil. Use a minimum of 3 gallons of spray volume per acre.

**Chemical: Mefenoxam**

Remarks: Fungicide Resistance Group 4. Do not exceed the equivalent of 0.188 or 0.34 lb. (product specific) a.i./A per crop of soil-applied and 0.40 lb a.i./A if foliar-applied mefenoxam containing products. The reentry interval is 48 hours and the preharvest interval is 14 days.

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<b>Trade Name</b>	<b>Rate per acre of product</b>	<b>Comments</b>
<b>Ridomil Gold SL</b>	0.42 oz/1000 linear feet	For use only at planting. Do not use dribble (admire) applicators. Apply at a 6 to 8 inch band
<b>Quadris Ridomil Gold</b>	0.82 oz/1000 linear feet	For use only at planting. Do not use dribble (admire) applicators. Apply at a 6 to 8 inch band.
<b>Ultra Flourish</b>	0.84 oz/1000 linear feet	For use only at planting. Do not use dribble (admire) applicators. Apply at a 6 to 8 inch band.

**Chemical: Thiophanate-methyl**

Remarks: Fungicide Resistance Group 1.

<b>Trade Name</b>	<b>Rate of product per 100 lbs of seed</b>	<b>Comments</b>
<b>Tops MZ</b>	0.75 lb	

**Chemical: Imidacloprid**

Remarks: Insecticide Resistance Group 4A. Do not apply any foliar neonicotinoid insecticide (Insecticide Resistance Group 4A) if Admire Pro, Cruiser 5FS, Cruiser Maxx Potato or Tops MZ Gaucho has been used.

<b>Trade Name</b>	<b>Rate of product per 100 lbs of seed</b>	<b>Comments</b>
<b>Admire Pro</b>	0.17 to 0.35 oz	Do not apply more than 8.7 fluid ounces of Admire PRO per acre per year.

**Chemical: Clothianidin**

Remarks: Insecticide Resistance Group 4A. Do not exceed the equivalent of 0.2 lb. a.i. (12 ounces of product)/A per crop of clothianidin. Do not apply any subsequent application of clothianidin if a seed-piece treatment is used. The reentry interval is 12 hours and the preharvest interval is 14 days.

<b>Belay</b>	9 to 12 oz	Apply as in-furrow spray directed over the seed pieces
	0.4 to 0.6 oz	Apply as a fine spray (1:3 Belay:. water) over cut or whole seed pieces.

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**Chemical: Thiamethoxam**

Remarks: Insecticide Resistance Group 4A. Do not apply any foliar neonicotinoid insecticide (Insecticide Resistance Group 4A) if Admire Pro, Cruiser 5FS, Cruiser Maxx Potato has been used.

<b>Trade Name</b>	<b>Rate of product</b>	<b>Comments</b>
<b>Cruiser 5FS</b>	0.11 to 0.16 oz per 100 lbs of seed depending on seeding rate.	Do not apply more than 0.125 pounds a.i per acre.
<b>Cruiser Maxx Potato</b>	0.19 to 0.27 fl oz	Rate varies with the planting rate. Do not apply more than 0.125 pounds a.i per acre.

**Chemical: *Bacillus subtilis***

Remarks: Fungicide Resistance Group 44. Biological control material for Rhizoctonia control.

<b>Trade Name</b>	<b>Rate of product</b>	<b>Comments</b>
<b>Serenade Soil</b>	2- 4 Qts per acre	Biological material that performs better under low disease pressure.

**Comparison of Seed Treatment Materials**

<b>Seed Treatment</b>	<b>Rhizoctonia on Stems and Stolons</b>	<b>Rhizoctonia on Daughter Tubers</b>	<b>Fusarium</b>	<b>Silver Scurf on Daughter Tubers</b>	<b>Seed Borne Scab</b>	<b>Seed-Borne Late Blight</b>
Cruiser Maxx Potato	E	E	E	E	P	P
Maxim 4FS	E	E	E	E	P	P
Maxim MZ	E	E	E	E	E	G
MonCoat MZ	E	E	E	E	E	G
Moncut 70DF	E	E	E	P	P	P
Tops MZ	E	P	E	G	E	G
Serenade Soil	G	P	P	F	P	P