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Potato Seed Treatments

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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. The reentry interval is 24 hours (Maxim MZ) or 12 hours (Maxim 4FS).

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	

Chemical: Fludioxonil + Difenoconazole + Sedaxane + Thiamethoxam

Remarks: Fungicide Resistance Group 12+7+3 plus Insecticide Resistance Group 4A. The reentry interval is 12 hours.

Trade Name	Rate of product per 100 lbs. of seed	Comments
Cruiser Maxx Vibrance Potato	0.5 fl oz	Rate varies with the planting rate. Do not apply more than 0.125 pounds a.i per acre. Apply at the carrier rate of 4 oz/cwt.

Chemical: Penflufen + Prothioconazole

Remarks: Fungicide Resistance Group 7+3. The reentry interval is 12 hours

Trade Name	Rate of product per 100 lbs of seed	Comments
Emesto Silver	0.31 oz.	As part of the seed cutting and treating process, application of an inert absorbent ingredient is recommended to improve suberization.

Chemical: Flutolanil

Remarks: Fungicide Resistance Group 7. The reentry interval is 24 hours (MonCoatMZ) or 12 hours (Moncut SC).

Trade Name	Rate of product	Comments
MonCoatMZ	0.75 lb. per 100 lbs. of seed	
Moncut SC	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.

Trade Name	Rate per acre of product	Comments
Ridomil Gold SL	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
Ultra Flourish	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: Azoxystrobin + Benzovindiflupyr

Remarks: Fungicide Resistance Group 11+7. The reentry interval is 12 hours.

Elatus	0.34 - 0.5 oz/1000 linear feet	Apply as a directed spray in a band in a minimum of 10 gallons of water per acre.
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Chemical: Azoxystrobin

Remarks: Fungicide Resistance Group 11. The reentry interval is 4 hours.

Quadris 0.4 - 0.8 oz/1000 linear feet Apply as a directed spray in a band 7 inches or less in 3 to 15 gallons of water per acre.

Chemical: *Bacillus subtilis*

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

Trade Name	Rate of product	Comments
Serenade ASO	2- 4 Qts per acre	Biological material that performs better under low disease pressure.

Chemical: *Bacillus amyloliquefaciens*

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

DoubleNickel LC	0.5- 4.5 pts per acre	Biological material that performs better under low disease pressure.
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Comparison of Seed Treatment Materials

Seed Treatment	<i>Rhizoctonia</i> on Stems and Stolons	<i>Rhizoctonia</i> on Daughter Tubers	Fusarium	Silver Scurf on Daughter Tubers	Seed Borne Scab	Seed-Borne Late Blight
Cruiser Maxx Vibrance Potato	E	E	E	E	P	P
Elatus	E	E	E	E	P	P
Emesto Silver	E	E	E	E	P	P
Maxim 4FS	E	E	E	E	P	P
MaximMZ	E	E	E	E	E	G
MonCoatMZ	E	E	E	E	E	G
Moncut SC	E	E	E	P	P	P
Quadris	G	G	G	G	P	P
Serenade Soil	G	P	P	F	P	P
DoubleNickel LC	G	P	P	F	P	P

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