

**LAST UPDATED ON:**

**June 17, 2019**

**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 Comments**

 **per 100 lbs of seed**

**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 Comments**

 **per 100 lbs. of seed**

**Cruiser Maxx Vibrance** 0.5 fl oz Rate varies with the planting

 **Potato** 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 Comments**

 **per 100 lbs of seed**

**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.

**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.

**Comparison of Seed Treatment Materials**

**Seed Treatment *Rhizoctonia* on *Rhizoctonia* on Fusarium Silver Scurf on Seed Borne Seed-Borne**

**Stems and Stolons Daughter Tubers Daughter Tubers Scab 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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