

Technote

More important reasons to use MAXIM 100 FS

New additions to the MAXIM® 100 FS label, for the control of Seed-borne Black Dot (*Colletotrichum coccodes*) and Fusarium Dry Rot (*Fusarium* spp), further reinforce this products position as the leading seed treatment against both seed and soil-borne potato diseases.

These important label extensions add to the existing recommendations on the following:

- Black scurf/Stem canker (*Rhizoctonia solani*);
- Silver scurf (*Helminthosporium solani*); and,
- suppression of seed borne Common Scab (*Streptomyces* spp).

Combined, these registrations deliver excellent control and suppression of more seed and soil-borne potato diseases than any other seed treatment.

Now MAXIM 100 FS can also be applied prior to storage offering seed and commercial potato growers a management option for all of the major soil and seed borne diseases. Due to the enduring activity of MAXIM 100 FS, it also offers extended control of these diseases when treated seed is planted following storage.



Photo: Treated potato tubers

Compare the difference

Disease Control	Potato Seed Treatments		
	MAXIM 100FS	TECTO® 450SC	FUNGAFLOR® 750 WSP
Black Dot (<i>Colletotrichum coccodes</i>)	✓		
Black Scurf (<i>Rhizoctonia solani</i>)	✓		
Fusarium Dry Rot (<i>Fusarium</i> spp)	✓	✓	✓
Silver Scurf (<i>Helminthosporium solani</i>)	✓	✓	✓
Phoma exigua (gangrene)		✓	✓
Seed-borne Common Scab (<i>Streptomyces</i> spp.)	*		

* = Suppression

Figure 1: Efficacy of MAXIM 100 FS, TECTO 450 SC and Fungafior 750 WSP on Fusarium Dry Rot incidence after four months of cold storage, Lenswood, South Australia: cv Coliban (Report: 200810).

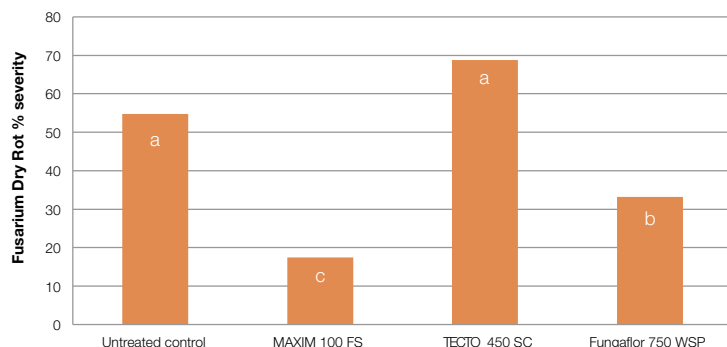


Photo: Young potato plant

 Maxim® 100FS

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Compare the difference cont.

Figure 2: Efficacy of MAXIM 100 FS, TECTO 450 SC and Fungaflor 750 WSP on Fusarium Dry Rot incidence 43 days of storage, Devonport, Tasmania, cv Nicola (Report: SYN07236).

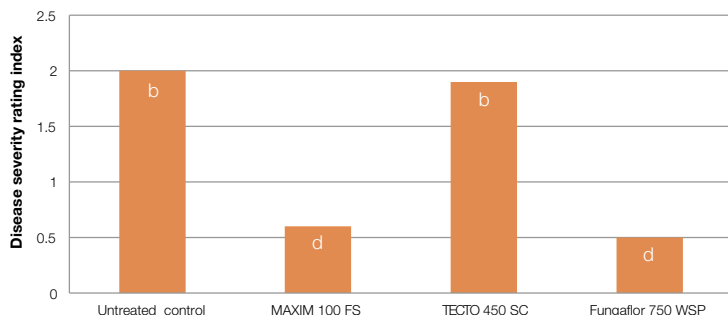
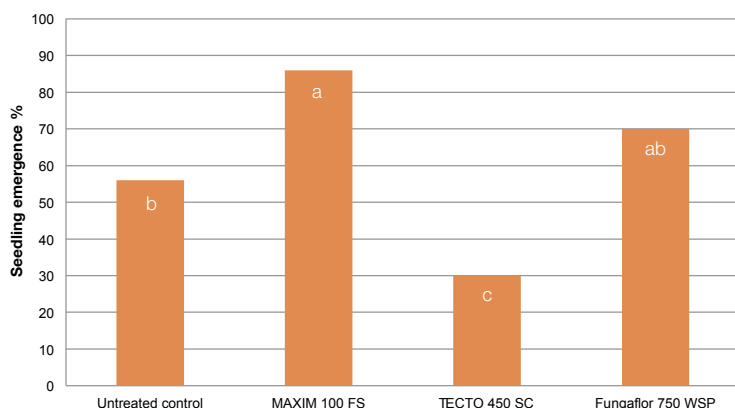


Figure 3: Effect of MAXIM 100 FS and other fungicides on seedling emergence from tubers inoculated with Fusarium and kept in cold storage for four months, Lenswood, South Australia: cv Coliban (Report: 200810).



Treatments within each graph with the same letter are considered to be not significantly different (P=0.05)

Improved seedling emergence

MAXIM 100 FS binds strongly to the seed piece to protect the seedling against disease both during the storage life of the seed potatoes and the early stages of crop development. This ensures rapid crop emergence and uniformity.

Its active ingredient (100g/L of fludioxonil) provides powerful contact activity against invading fungal pathogens. It also exhibits a 'halo' effect in the surrounding soil, suppressing pathogens on or around treated seed.

Pre-storage application guidelines

When applying MAXIM 100 FS there are a few points that should be followed:

- MAXIM 100 FS may be applied undiluted or diluted with water to a total volume of up to 3L/t of treated seed.
- Use only sufficient water to give complete coverage. Keeping water volume as low as possible will minimise bacterial rot issues.
- The applicator should be mounted at the point of maximum seed rotation.
- Ensure seed is promptly and thoroughly dried after application, before planting or storage.
- If necessary, dust seed with fir bark after applying MAXIM 100 FS to aid drying.

Resistance management

MAXIM 100 FS contains a Group 12 fungicide. Its unique mode of action controls pathogens that are resistant to other compounds. No cross-resistance to other classes of chemistry has been identified.

As a resistance management strategy, or under high disease pressure situations, the use of MAXIM 100 FS as a storage treatment should be combined with the use of AMISTAR® 250 SC in furrow at planting to offer additional control a number of these seed and soil-borne diseases.

Remember: Complete coverage of planting material is always essential for best results from your seed treatment!