

Fusarium Dry Rot/Seed Piece Decay



Fusarium Dry Rot/Seed Piece Decay Disease Cycle

Spores from infected seed infest daughter tubers and get released in the soil.



Tubers become infected when wounded.

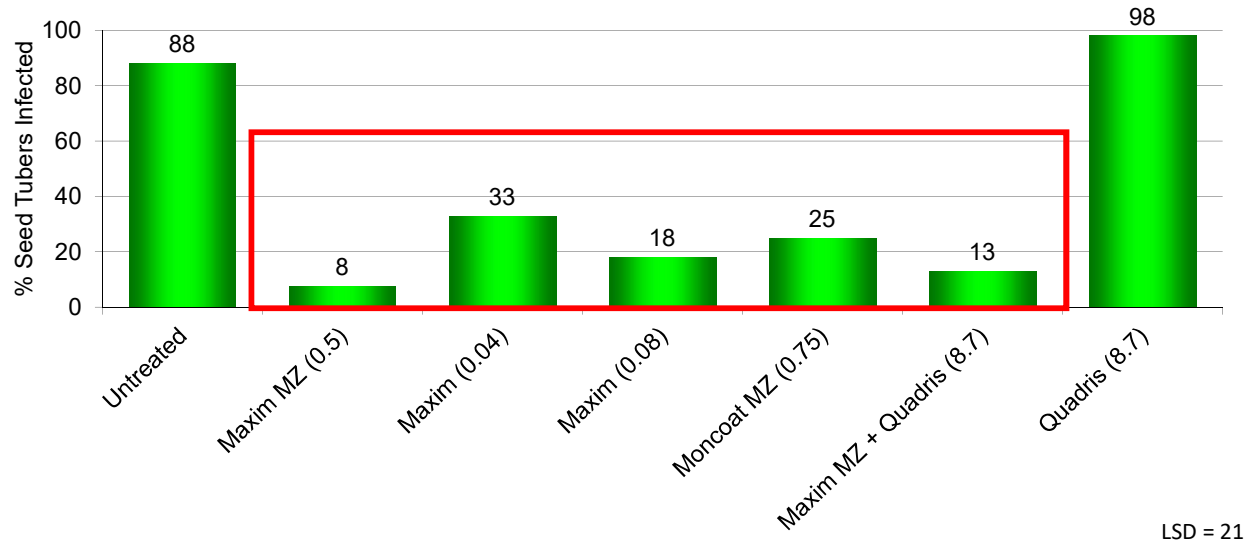


Dry rot develops quickly when tubers are stored at 60-70 F

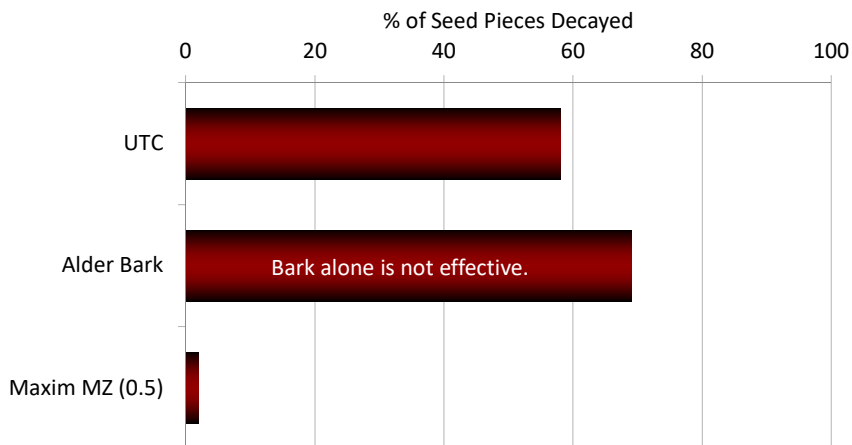


Seed tubers with *Fusarium coeruleum*

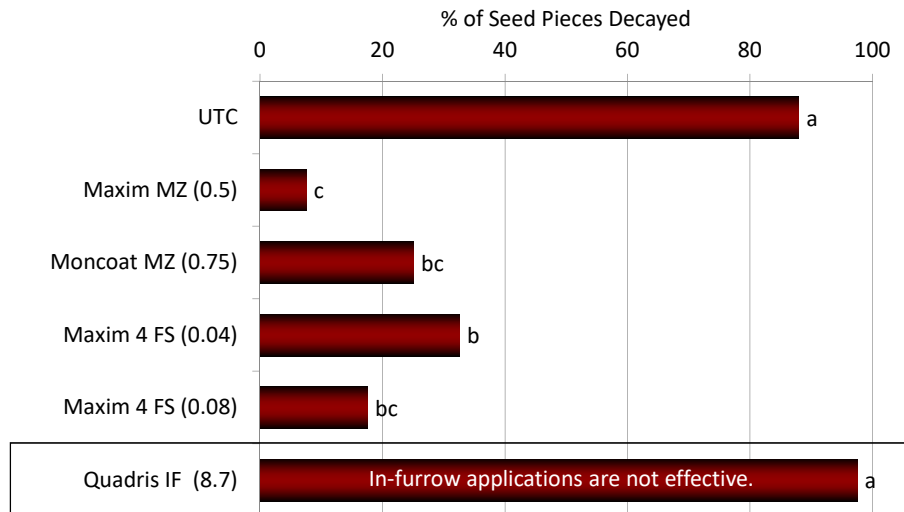
Fusarium Seed Piece Decay



Effect of Seed Treatments on Fusarium Seed Piece Decay



Effect of Seed Treatments on Fusarium Seed Piece Decay



Managing Fusarium Seed Piece Decay

- Plant seed with little or no Fusarium
- Avoid injuries
- Risk increases with pre-cut seed
- Treat with an effective seed treatment
 - **MZ**, Moncoat **MZ**, Maxim **MZ**
 - Maxim 4FS, Cruiser Maxx Potato formulations, Spirato FS
 - Emesto Silver (when available)
- Post harvest application of Stadium (when available)

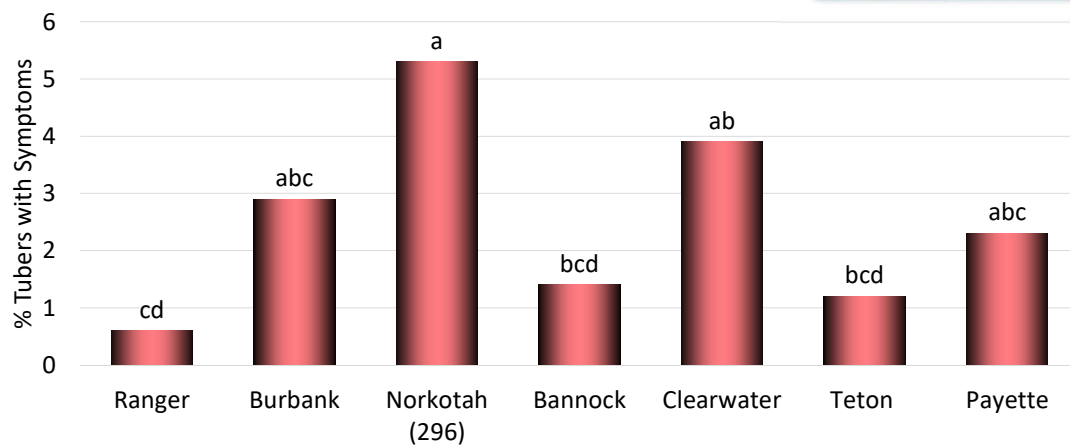


Seed Treatments for Fusarium Seed Piece Decay

1. In general, seed treatment products combined with mancozeb protect best against Fusarium seed decay.
2. In-furrow applications do not control Fusarium seed decay.
3. Desire to move away from dust for worker protection/safety issues.
 - Liquid seed treatments have been effective

Pink Rot Susceptibility – 2018

Rupert, ID

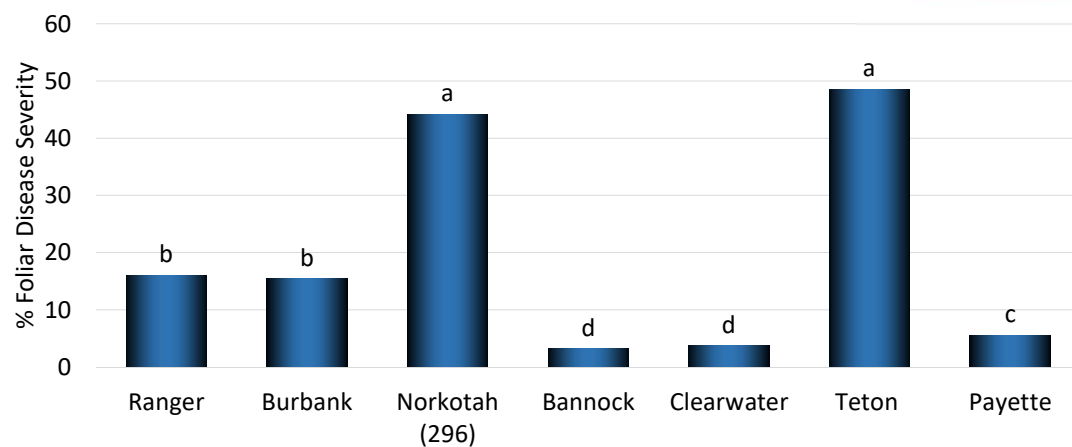


Clearwater – Pink Rot Recommendations

- Relatively high susceptibility
- Avoid over-watering
- Treat with an effective fungicide
 - Mefenoxam (e.g. Ridomil Gold products)
 - Can be applied in-furrow. Consistency issues with this method in Idaho
 - Two foliar applications: Dime-size tubers and again 14 days later
 - Phosphorous acid (e.g. Resist 57, Phostrol, Phiticide)
 - Effective when mefenoxam resistance is present
 - Three foliar applications: Dime-size tubers and repeat on a 14-day schedule.

Early Blight/Brown Spot – 2018

Rupert, ID



Clearwater – Early Blight/Brown Spot Recommendations

- Fungicide programs effective on Burbank should be effective on Clearwater
- Two applications of a Group 7 fungicide (row closure and 14 days later)
 - E.g. Luna Tranquility, Endura, Priaxor
- Tank mix with a protectant for resistance management/late blight
- Follow with 1-2 applications of a protectant fungicide
 - E.g. chlorothalonil or EBDC