



## More complementary chemistries ... for potato disease protection

DuPont™  
Tanos®  
fungicide

DuPont™ Tanos® fungicide controls late blight and brown spot and suppresses black dot and bacterial/aerial stem rot. Tanos® also helps reduce the anxiety of slipping performance on some early blight strains as well as uncertain performance should late blight threaten. Apply Tanos® to experience the advantages of:

### More modes of action

Tanos® contains the active ingredient famoxadone for enhanced contact control of both early blight and late blight to:

- Deliver excellent rainfastness by fixing on and within the plant's cuticle waxes. Laboratory and field testing demonstrate Tanos® is fully rainfast within an hour of application, and its excellent washoff resistance is unsurpassed by current fungicide standards.
- Provide more effective control of azoxystrobin/pyraclostrobin insensitive early blight strains.

Tanos® contains cymoxanil, the active ingredient in DuPont™ Curzate® 60DF fungicide, which provides unique “kick back” activity on late blight. While late blight may not strike each year, when it does it can be devastating and kill plants within two weeks if conditions are right. Applying Tanos® will:

- Control unseen, hidden infections.
- Inhibit lesion expansion and sporulation.

Tanos® labeling requires it be tank mixed with a contact fungicide, providing:

- Complementary fungicidal coverage.
- Improved redistribution properties.
- Resistance management benefits.

### The industry standard for resistance management

Over the past several seasons, resistance management has become an important consideration for early blight control. The first strobilurin fungicide (azoxystrobin) was registered on potato in 1999 and the following year isolates of the early blight pathogen, *Alternaria solani*, were detected with reduced sensitivity to this fungicide. The shift in sensitivity to azoxystrobin, and also to pyraclostrobin, was approximately 10-fold, resulting in a significant loss in early blight disease control.

Research at North Dakota State University demonstrates Tanos® provides more effective control of *Alternaria solani* isolates with reduced sensitivity to azoxystrobin and pyraclostrobin. To maintain this effective control and provide the best protection against the risk of resistance development, Tanos® labeling requires:

- Tank mixing with a preventive contact fungicide with a different mode of action (such as chlorothalonil or mancozeb) — thereby delivering two to three modes of action against early and late blight.
- Alternation with a fungicide with a different mode of action, such as mancozeb.
- Limiting Tanos® applications on potato to no more than 6 per season.

# DuPont™ Tanos®

fungicide

## Before the rows close, open the door to a DuPont™ Tanos® program for enhanced reliability

Target disease	Tanos® use rate	Recommended tank-mix partner <sup>1</sup>	Recommended alternation partner <sup>2</sup>	Fungicide spray interval
<b>Early blight</b> <b>Brown spot</b> <b>Late blight</b> (Preventive control)  Begin fungicide applications prior to disease onset and before row closure. <sup>3</sup>	6 oz/A	<b>Ground or air:</b> mancozeb 0.75 lbs ai/A <b>Chemigation:</b> chlorothalonil 0.75 lbs ai/A	<b>Ground or air:</b> mancozeb 0.75–1.5 lbs ai/A <b>Chemigation:</b> chlorothalonil 0.75–1.125 lbs ai/A	7–10 days  For early blight control, use shorter intervals if disease is present in the area or conditions favor development
<b>Late blight</b> (If late blight is present in area or if conditions favor disease development)	8 oz/A	<b>Ground or air:</b> mancozeb 1.5 lbs ai/A <b>Chemigation:</b> chlorothalonil 1.125 lbs ai/A	<b>Ground or air:</b> DuPont™ Curzate® 60DF 3.2 oz + mancozeb 1.5 lbs ai/A <b>Chemigation:</b> Curzate® 60DF 3.2 oz + chlorothalonil 1.125 lbs ai/A	5–7 days

<sup>1,2</sup> Tanos® must be applied in tank mix and in alternation with appropriate contact fungicides which have a different mode of action: EBDs, such as mancozeb, and chlorothalonil are recommended. Do not tank mix or alternate with fungicides from EPA's Target Site of Action Group 11 (includes all strobilurins, Famoxate™ (famoxadone) and fenamidone).

<sup>3</sup> For best results, make 2 to 6 applications of Tanos® tank mixed with and alternated with recommended contact fungicides. The number of Tanos® applications will vary depending on the level of diseases present and the susceptibility of the variety planted.

### Application equipment

Apply DuPont™ Tanos® by ground, air or chemigation with properly calibrated equipment and suitable water volume to ensure thorough coverage.

### For more information

For more information about Tanos® programs in potato production, please contact your local DuPont retailer or representative. And visit us at [tanos.dupont.com](http://tanos.dupont.com).