Why SWITCH is the go-to botryticide

Vineyard
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SWITCH® fungicide has, for many years, been globally recognised by growers as the ‘go to’ product for Botrytis cinerea management. Its key ingredients cyprodinil and fludioxonil deliver a robust and reliable recipe for botrytis control, even under high temperature and wet conditions. Together, they combine to attack botrytis at four different stages of disease development, effectively breaking the life cycle.

For growers in high disease risk areas, it is important to use all fungicide treatments with resistance management in mind.

The cyprodinil in SWITCH is a Group 9 fungicide that has systemic properties enabling it to enter the plant tissue and fight the fungus from inside. It prevents the fungus from entering the plant tissue, as well as disrupting any inter or intra cellular mycelial growth that may get into the plant.

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The Group 9 fungicide group is powerful, however if used alone it is considered high risk for resistant isolates to become problematic. The mechanism for resistance to Group 9 fungicides is not a ‘light switch’ type process, such as with Group 11 (strobilurin) fungicides. Resistance to Group 9 fungicides expresses itself as a sensitivity shift, similar to DMI Group 3 fungicide resistance. Other products that contain Group 9 chemistry include Scala and Predict (active ingredient - pyrimethanil).

For added protection to the Group 9 component in SWITCH, Syngenta includes the Group 12 fungicide - fludioxonil. Fludioxonil is a formidable fungicide in its own right. It inhibits spore germination and growth of germ tubes and mycelia on the plant surface, interfering with the fungal cell's ability to

properly regulate osmotic pressure, causing the cell to burst from excessive intracellular pressure and it blocks protein-kinase.

What makes this active ingredient such a great partner to cyprodinil is that it provides additional defence against the possible sensitivity shift to the Group 9 fungicides. Because SWITCH contains two fungicides with different modes of action, it is ideal for use in fungicide resistance management programs.

Other botrytis products contain only a single Mode of Action and therefore lack the protection of fludioxonil as a guardian partner. Adding another mode of action to them is wise, not only to protect the crop but also to protect the Group 9 chemistry from resistance development for the next generation of growers. SWITCH is the simple choice, being a convenient one drum solution to botrytis while delivering resistance management.

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