



Top-notch disease control

Amistar® Top fungicide offers pecan growers reliability for sustainable and robust disease control for the most important pecan diseases. It is a combination of the strobilurin fungicide (Group 11), azoxystrobin, and the triazole fungicide (Group 3), difenoconazole. This mixture represents an evolution of the Abound® brand currently registered as a foliar fungicide in pecans. Amistar Top provides enhanced control due to the additive activity of two mode of action fungicides. In addition, Amistar Top demonstrates rapid uptake with translaminar movement of difenoconazole and xylem-mobile movement of azoxystrobin.

Amistar Top is proven to be safe on a wide range of crops when used according to the label directions. Not to mention, it can be used as a part of many Integrated Pest Management (IPM) programs due to its low-use rates, application flexibility and low risk to beneficials. Amistar Top is also registered for use on almonds, brassica (cole) leafy vegetables, bulb vegetables, citrus, cucurbit vegetables, filberts, grapes, peppers and other fruiting vegetables, pistachios, potatoes, tomatoes, tree nuts and tuberous and corm vegetables.

Amistar Top Spectrum of Activity

- Downy spot (*Mycosphaerella caryigena*)
- Liver spot (*Gnomonia caryae pv pecanae*)
- Pecan scab (*Cladosporium caryigenum*)
- Powdery mildew (*Microsphaera penicillata*)
- Vein spot (*Gnomonia nerviseda*)
- Zonate leaf spot (*Grovesinia pyramidalis*)



Technical Overview

Amistar Top is a broad-spectrum product and will provide utility as a resistance management tool. Syngenta recommends that this mixture be used according to the Fungicide Resistance Action Committee (FRAC) guidelines for solo strobilurin fungicide products. Amistar Top has preventive, systemic and curative properties and is recommended for the control of many important plant diseases. Amistar Top is applied as a foliar spray and can be used in block, alternating spray or tank-mix programs with other crop protection products.

Amistar Top Technical Profile

Amistar Top	
Chemistry	Azoxystrobin [QoI inhibitor (FRAC Group 11)] and difenoconazole [demethylation inhibitor (DMI) class (FRAC Group 3)]
Formulation	SC containing 1.67 lbs of azoxystrobin and 1.05 lbs of difenoconazole per gallon
Packaging	2 X 2.5 gallon
Precautions/Safety	Caution, Standard PPE, 12 hour Re-entry Interval (REI)
Tank Mix	Amistar Top is compatible with many tank mix partners; however, always consult the product label for complete use directions and precautions.

Amistar Top Label at a Glance*

Pecans	
Rate	8 – 14 fl oz/A
Maximum Amount Per Growing Season	56 fl oz/A of Amistar Top (1.2 lbs a.i./A of azoxystrobin-containing products and 0.46 lb a.i./A of difenoconazole-containing products)
Application Methods	Amistar Top can be applied by either ground or aerial application on pecans.
Minimum Gallons Per Acre (GPA)	Aerial applications: 10 GPA of water; Ground applications: 15 GPA
Preharvest Interval (PHI)	45 days
Adjuvants	Do not use with an adjuvant.
REI	12 hours
Rotation Crop Restrictions	Please address the product label for specific rotational crop restrictions.

*Always consult the product label for complete use directions and application information. For a complete list of registered crops, consult the product label.













Directions for Use

Amistar Top may be applied with all types of spray equipment commonly used for making ground and aerial applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control.

Best Use Guidelines

- Begin applications prior to disease onset when conditions are conducive for disease.
- Apply Amistar Top on a 14- to 21-day schedule.
- Do not make more than two sequential applications before alternating to another fungicide with a non-QoI (Group 11) mode of action.
- For best results, sufficient water volume must be used to provide thorough coverage.
- Always consult the product label for complete use directions and application information.

Suggested Program for Disease Control on Pecans

								
BUD BREAK	POLLINATION	NUT SET	NUT SIZING	WATER STAGE	GEL STAGE	SHELL HARDENING	DOUGH	SHUCK SPLIT
								

Pecan Scab – A Devastating Pecan Disease

Pecan scab (*Cladosporium caryigenum*) affects stem, leaf and nut growth in pecans, which causes a reduction in yield. The fungal pathogen that causes the disease infects actively growing tissue. Stems can be infected in the spring, leaves can be infected from bud break until they are fully expanded – typically in June – and nuts can be infected from the time they are formed until they have stopped growing in late summer. Once infection occurs, lesions develop in 7 to 14 days and are generally circular and light brown to black in color. Scab is conducive in prolonged periods of wet weather. This disease is best treated preventively.



Scab symptoms on pecan leaves

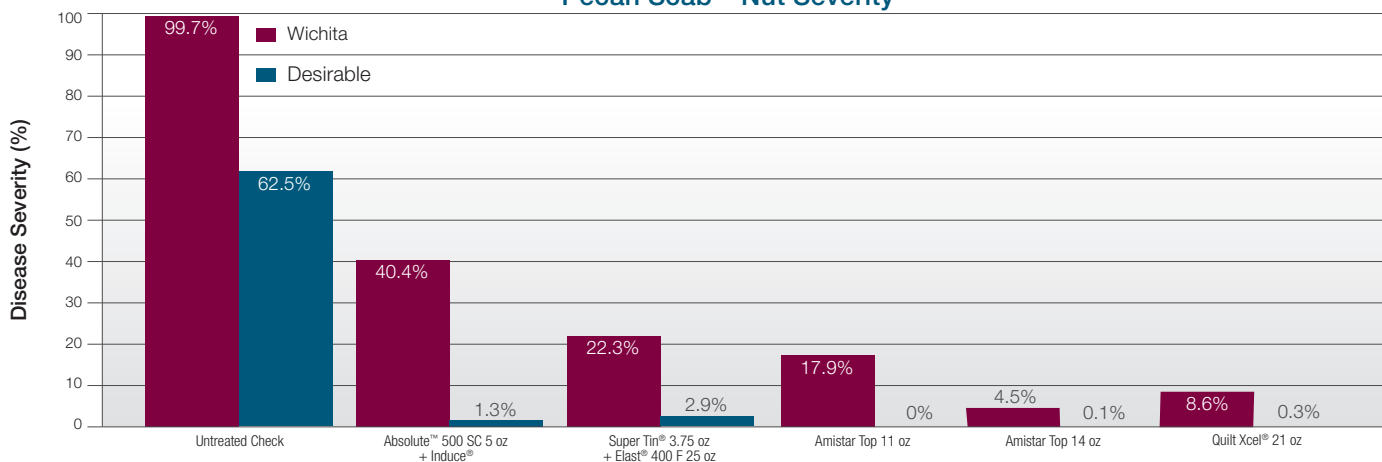


Scab symptoms on nuts



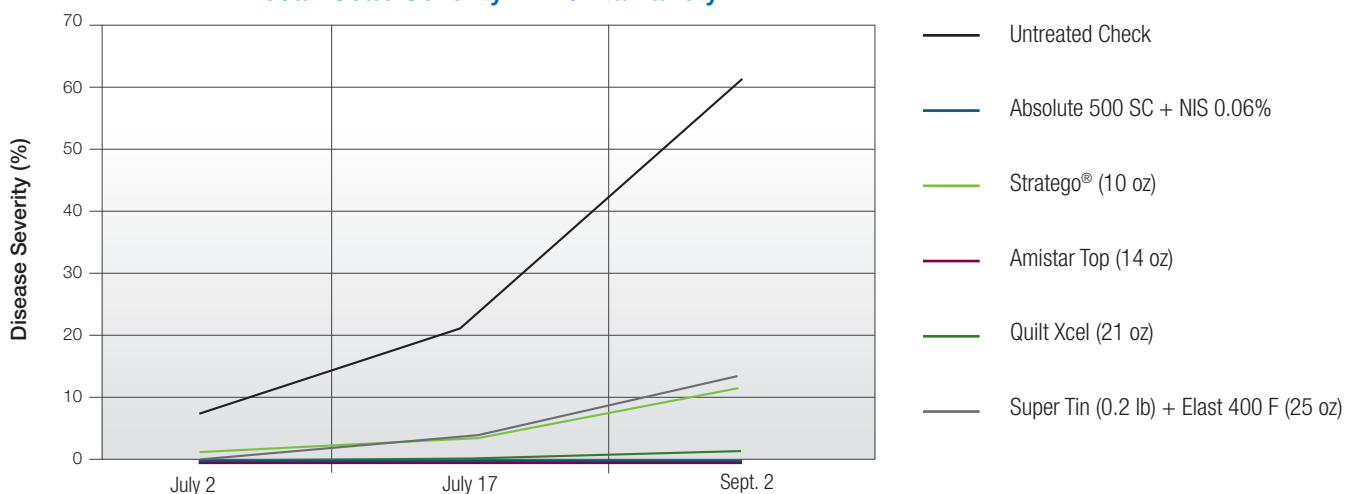
Performance Results

Pecan Scab – Nut Severity



Source: Brenneman, UGA (2009). Data reflects Wichita and Desirable varieties rated on 9/30/2009. The above data reflects 10 applications on a 14-day interval.

Pecan Scab Severity – Wichita Variety



Source: : USSIOF66092046, Brenneman, UGA (2008)



Performance evaluations are based solely upon interpretation of public information and field observations.

For more information, visit www.SyngentaUS.com or contact your local Syngenta representative.

©2018 Syngenta. **Important: Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status.** Abound®, Amistar®, Quilt Xcel® and the Syngenta logo are trademarks of a Syngenta Group Company. Elast® is a registered trademark of Aceto Agricultural Chemicals Corp. Absolute™ and Stratego® are trademarks of Bayer CropScience. Induce® is a registered trademark of Helena Chemical Company. Super Tin® is a registered trademark of United Phosphorus, Inc.