

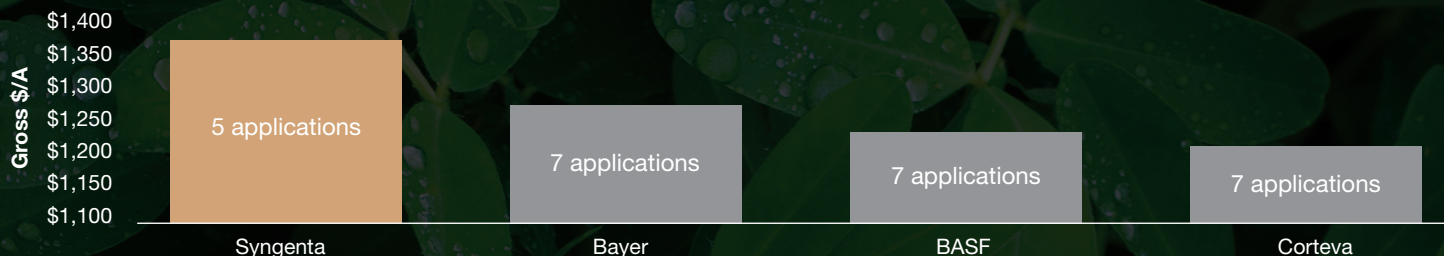
Disease Risk Fungicide Schedules: Lower Southeast

Columns A through G represent 14 day intervals with first application at 30–45 days after planting.

PLANTING DATE	In-Furrow ¹	A	B	C	D	E	F	G
TRADITIONAL PROGRAM		LEAF SPOT	LEAF SPOT	LEAF SPOT WHITE MOLD LIMB ROT	LEAF SPOT	LEAF SPOT WHITE MOLD LIMB ROT	LEAF SPOT	LEAF SPOT
LOW RISK²	 0.6 fl oz/ 1000 row feet	 1.0 pt + 5.5 oz	28 days	 9.5 oz + 3.4 fl oz	28 days	 9.5 oz + 3.4 fl oz	28 days	 1.0 pt + 5.5 oz
MODERATE-HIGH RISK OPTION 1 Primary Target: WHITE MOLD	 0.6 fl oz/ 1000 row feet	 7.3 oz	28 days	 7.3 oz + 3.4 fl oz	28 days	 7.3 oz + 3.4 fl oz	28 days	 1.5 pt 1.5 pt
MODERATE-HIGH RISK OPTION 2 Primary Target: LEAF SPOT	 0.6 fl oz/ 1000 row feet	 1.0 pt + 5.5 oz	 1.5 pt	 9.5 oz + 3.4 fl oz	28 days	 9.5 oz + 3.4 fl oz	28 days	 1.5 pt
YOUR PROGRAM								

VALUE OF SYNGENTA FUNGICIDE PROGRAMS

Syngenta 5-Spray Peanut Program is unparalleled in performance



Data based on 2019 UGA and consultant on-farm trials. BASF treatments include Priaxor plus Convoy or Umbra. Bayer treatments include two applications of Elatus with Absolute and Provost Silver. Gross revenue determined at \$400/ton average price. All listed prices are approximations.

Syngenta Program: (Elatus at 7.3 oz) : Elatus(R) (7.3 oz/A) at Application 1; Elatus (7.3 oz/A) and Miravis (3.4 oz/A) at Application 2; Elatus (7.3 oz/A) and Miravis (3.4 oz/A) at Application 3; Alto(R) (5.5 oz/A) and Bravo(R) (24 oz/A) at Application 4; Bravo (24 oz/A) at Application 5; Approximate program cost \$119.08

Syngenta Program (Elatus at 9.5 oz/A): Alto(R) (5.5 oz/A) and Bravo (24 oz/A) at Application 1; Bravo (24 oz/A) at Application 2; Elatus (9.5 oz/A) and Miravis (3.4 oz/A) at Application 3; Elatus (9.5 oz/A) and Miravis (3.4 oz/A) at Application 4; Bravo (24 oz/A) at Application 5; Approximate program cost \$118.96

Bayer Program 1: Priaxor(R) (6 oz/A) at Application 1; Elatus(R) (9.5 oz/A) at Application 2; Provost(R) Silver (13 oz/A) at Application 3; Elatus (9.5 oz/A) at Application 4; Provost Silver (13 oz/A) at Application 5; Bravo (1 pt/A) and teb (7.2 oz/A) at Application 6; Bravo (1 pt/A) and teb (7.2 oz/A) at Application 7; Approximate program cost \$119.86

Bayer Program 2: Priaxor (6 oz/A) at Application 1; Provost(R) Opti (10 oz/A) at Application 2; Provost Silver(R) (13 oz/A) at Application 3; Provost Silver (13 oz/A) at Application 4; Provost Silver (13 oz/A) at Application 5; Bravo (1 pt/A) and teb (7.2 oz) at Application 6; Bravo (1 pt/A) and teb (7.2 oz) at Application 7; Approximate program cost \$108.38

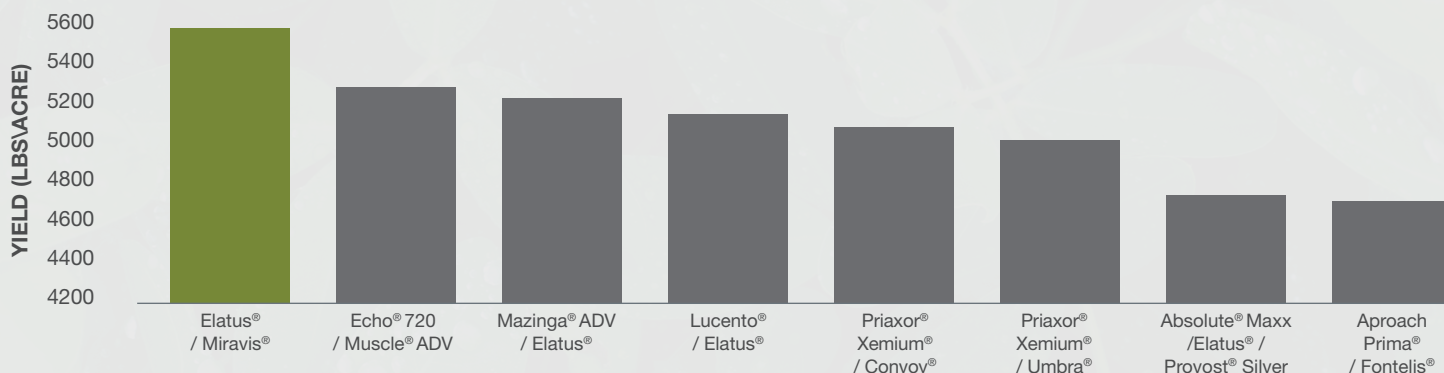
BASF Program 1: Priaxor (6 oz/A) at Application 1; Convoy(R) (32 oz/A) and Bravo (1.5 pt/A) at Application 2; Muscle(R) ADV (32 oz/A) at Application 3; Convoy (32 oz/A) and Bravo (1.5 pt/A) at Application 4; Muscle ADV (32 oz/A) at Application 5; Bravo (1.5 pt/A) at Application 6; Approximate program cost \$105.97

BASF Program 2: Priaxor (6 oz/A) at Application 1; Convoy(R) (32 oz/A) and Bravo (1.5 pt/A) at Application 2; Priaxor (8 oz/A) at Application 3; Convoy (16 oz/A) and Bravo (1.5 pt/A) at Application 4; Muscle ADV (32 oz/A) at Application 5; Bravo (1.5 pt/A) at Application 6; Approximate program cost \$95.92

Corteva Program: Priaxor (6 oz/A) at Application 1; Fontelis(R) (16 oz/A) at Application 2; Fontelis (16 oz/A) at Application 3; Fontelis (16 oz/A) at Application 4; Bravo (1 pt/A) and teb (7.2 oz) at Application 7; Approximate program cost \$106.95

Elatus (7.3 oz use rate) Farm gate price \$40.00/lb; Cost/acre at farm gate at use rate \$23.75. Elatus (9.5 oz use rate) Farm gate price \$40.00/lb; Cost/acre at farm gate at use rate \$18.25. Miravis (3.4 oz use rate) Farm gate price \$6.54/oz; Cost/acre at farm gate at use rate \$22.24. Alto (5.5 oz use rate) Farm gate price \$130.00/gal; Cost/acre at farm gate at use rate \$5.59. Bravo (1.5 pt use rate) Farm gate price \$38.00/gal; Cost/acre at farm gate at use rate \$7.13. Bravo (1.0 pt use rate) Farm gate price \$38.00/gal; Cost/acre at farm gate at use rate \$4.75. Priaxor (6 oz use rate) Farm gate price \$450.00 (minus \$75.00 rebate); Cost/acre at farm gate at use rate \$17.58. Priaxor (8 oz use rate) Farm gate price \$450.00 (minus \$75.00 rebate); Cost/acre at farm gate at use rate \$23.44. Provost Opti (10 oz use rate) Farm gate price \$205.00/gal; Cost/acre at farm gate at use rate \$16.02. Provost Silver (13 oz use rate) Farm gate price undetermined; Cost/acre at farm gate at use rate estimated around \$20.00. Fontelis (16 oz use rate) Farm gate price \$1.04/oz; Cost/acre at farm gate at use rate \$22.40. Convoy (16 oz use rate) Farm gate price \$91.00/gal; Cost/acre at farm gate at use rate \$11.38. Convoy (32 oz use rate) Farm gate price \$91.00/gal; Cost/acre at farm gate at use rate \$22.75. Umbra (32 oz use rate) Farm gate price \$111.00/gal; Cost/acre at farm gate at use rate \$27.50. Muscle ADV (32 oz use rate) Farm gate price \$43.00/gal; Cost/acre at farm gate at use rate \$10.75. Generic Teb (7.2 oz use rate) Farm gate price \$47.00/gal; Cost/acre at farm gate at use rate \$2.64.

A PREMIUM PROGRAM DELIVERS PREMIUM YIELD POTENTIAL



Elatus® / Miravis®: Echo® 720 (1.0 pt/A) and Alto® (5.5 fl oz/A) at 30 DAP; Elatus (9.5 oz/A) and Miravis (3.4 fl oz/A) at 51 DAP; Elatus (9.5 oz/A) and Miravis (3.4 fl oz/A) at 79 DAP; Echo (1.5 pt/A) at 105 DAP and 120 DAP

Echo® 720 / Muscle®: Echo 720 (1.5 pt/A) at 30 DAP; Echo 720 (1.5 pt/A) at 45 DAP; Muscle® ADV (2.0 pt/A) at 60 DAP, 75 DAP, 90 DAP and 105 DAP; Echo 720 (1.5 pt/A) at 120 DAP

Mazinga® / Elatus®: Mazinga® Advantage (32 fl oz/A) at 30 and 45 DAP; Elatus (7.3 oz/A) and Miravis® (3.4 fl oz/A) at 60 DAP; Muscle® ADV (2.0 pt/A) at 75 DAP; Elatus (7.3 oz) and Miravis (3.4 fl oz) at 90 DAP; Muscle ADV (2.0 pt/A) at 105 DAP; Echo® (1.5 pt/A) at 120 DAP

Lucento® / Elatus®: Lucento (5.5 fl oz/A) at 45 DAP; Elatus (9.0 fl oz/A) at 60 DAP; Lucento (5.5 fl oz/A) at 75 DAP; Convoy® (21.0 fl oz/A) and Echo® (1.5 pt/A) at 90 DAP; Muscle® ADV (2.0 pt/A) at 105 DAP; Chlorothalonil (1.5 pt/A) at 120 DAP

Priaxor® / Convoy®: Priaxor (6.0 fl oz/A) at 45 DAP; Convoy (32.0 fl oz/A) and Echo® (1.5 pt/A) at 60 DAP; Priaxor (8.0 fl oz/A) at 75 DAP; Convoy (32.0 fl oz/A) and Echo (1.5 pt/A) at 90 DAP; Echo (1.5 pt/A) at 105 DAP; Echo (1.5 pt/A) at 120 DAP

Priaxor® / Umbra®: Priaxor (6.0 fl oz/A) at 45 DAP; Umbra (36.0 fl oz/A) and Echo® (1.0 pt/A) at 60 DAP; Priaxor (8.0 fl oz/A) at 75 DAP; Umbra (36.0 fl oz/A) and Echo (1.0 pt/A) at 90 DAP; Muscle® ADV (2.0 pt/A) at 105 DAP; Echo (1.5 pt/A) at 120 DAP

Absolute® Maxx / Elatus® / Provost® Silver: Chlorothalonil (1.5 pt/A) at 30 DAP; Absolute Maxx (3.5 fl oz/A) at 45 DAP; Elatus (7.3 oz/A) at 60 DAP; Provost Silver (13 fl oz/A) at 75 DAP; Elatus (7.3 oz/A) at 90 DAP; Provost Silver (13 fl oz/A) at 105 DAP; Chlorothalonil (1.5 pt/A) at 120 DAP

Approach® Prima® / Fontelis®: Approach Prima (6.8 fl oz/A) at 30 DAP; Muscle® ADV (2.0 pt/A) at 45 DAP; Fontelis (16.0 fl oz/A) at 60 DAP, 45 DAP and 90 DAP; Muscle ADV (2.0 pt/A) at 105 DAP; Chlorothalonil (1.5 pt/A) at 120 DAP

Irrigated, Georgia-06G / Early County, GA / 2019




*Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations.

Trial reflects treatment rates commonly recommended in the marketplace.







PRESCRIBE THE RIGHT PRODUCTS FOR YOUR FIELD

Rate	Early leafspot	Late leafspot	white mold (Sclerotium)	Rhizoctonia limb rot	Peanut Rust	Sclerotinia Blight	Web Blotch	Pythium pod rot	Rhizoctonia seedling disease	Pythium seedling disease	Aspergillus crown rot	When to use/comments
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Seed treatment and in-furrow fungicides

 Abound®	In furrow 0.4 - 0.8 fl oz/ 1000 ft											Used in-furrow to supplement control of seedling disease and provide early-season suppression of white mold.
 Dynasty® PD	Seed treatment 4 oz/100 lb seed											Industry standard seed treatment. Provides all-in-one seed protection and control of seedling diseases.
 Uniform®	In furrow 0.34 fl oz/ 1000 ft											Provides two modes of action for excellent control of seedling diseases.

Foliar fungicides for topical application

 Abound®	Foliar spray 6 - 24.5 fl oz											Offers in-season control of leaf spots, rust and web blotch. Maximum respray interval is 14 days. Recommended application rate for soil-borne disease control is 18 fl oz/A to 24.5 fl oz/A.
 Alto100SL	5.5 fl oz											Conveys curative control of major peanut diseases, including early and late leafspot. Offers flexible application timing and is tank mix friendly, for convenient application options under a variety of conditions.
 Elatus®	7.3 - 9.5 oz											Provides two modes of action for broad-spectrum control of foliar and soil-borne diseases. Can be used alone with a 14-day spray interval for foliar diseases. Provides excellent, extended control when tankmixed with Miravis® fungicide in a reduced-spray program.
 Miravis®	3.4 fl oz											Delivers industry-leading residual preventive control of leaf spot diseases. Begin applications prior to disease development for best results. Second application can occur 90 days after planting. Tankmix with Elatus® fungicide to maximize residual control of all diseases in a reduced-spray program.
 Omega500F	1 - 1.5 pt											Brings preventative disease control when conditions are conducive for development. For Sclerotinia blight, recommend a second application at a three- to four-week interval.
 RidomilGold® SL	8 - 16 fl oz											Offers flexible application in-furrow or banded. Controls Pythium root/pod rot. Can apply in a split application at a rate of 8 fl oz/A each or a single application at 1 pt/A. Follow chemigation or foliar applications with at least 0.5 inches of irrigation.

Not recommended
 Suppression
 Good choice
 Best choice

Assess Disease Risk in Your Field and Develop a Peanut Rx

Step 1: Assess Your Disease Risk

VARIETY SELECTION				
Variety ¹	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
AU NPL 17	10	15	15	
Bailey ³	10	25	10	
Florida Fancy ²	25	20	20	
FloRun™ '331' ^{1,2}	15	20	15	
Georgia-06G	10	20	20	
Georgia-07W	10	20	15	
Georgia-09B ²	20	25	25	
Georgia-12Y ⁵	5	15	10	
Georgia-14N ^{1,2,4}	5	15	15	
Georgia-16HO ^{1,2}	10	25	20	
Georgia Green	30	20	25	
Sullivan ^{1,2}	10	25	15	
Tifguard ⁴	10	15	15	
TifNV-HiOL ^{1,2,4}	5	15	15	
TUFRunner™ '297' ^{1,2}	10	25	20	
TUFRunner™ '511' ²	20	30	15	

PLANTING DATE				
Peanuts are planted:	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
Prior to May 1	30	0	10	0
May 1 to May 10	15	5	5	0
May 11 to May 25	5	10	0	0
May 26 to June 10	10	15	0	5
After June 10	15	15	0	5

PLANT POPULATION (final stand, not seeding rate)				
Plant stand:	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
Less than 3 plants/ft	25	NA	0	NA
3 to 4 plants/ft (3)	10 (15)	NA	0 (0)	NA
More than 4 plants/ft	5	NA	5	NA

AT-PLANT INSECTICIDE				
Insecticide used	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
None	15	NA	NA	NA
Other than Thimet® 20G	15	NA	NA	NA
Velum Total	15	0	NA	NA
Thimet 20G	5	NA	NA	NA

ROW PATTERN				
Peanuts are planted in:	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
Single rows	10	0	5	0
Twin rows	5	0	0	0

TILLAGE				
Tillage type	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
Conventional	15	10	0	0
Reduced	5	0	5	5

CLASSIC® HERBICIDE				
Classic usage	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
Classic applied	5	NA	NA	NA
No Classic applied	0	NA	NA	NA

CROP ROTATION (with a non-legume crop)				
Years between peanut crop	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
0	NA	25	25	20
1	NA	15	20	15
2	NA	10	10	10
3 or more	NA	5	5	5

FIELD HISTORY				
Have you had a problem controlling these diseases?	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
No	NA	0	0	0
Yes	NA	10	15	10

IRRIGATION				
Does the field receive irrigation?	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
			White Mold	Limb Rot
No	NA	0	0	0
Yes	NA	10	5	10

¹ Adequate research data is not available for all varieties with regards to all diseases. Additional varieties will be included as data to support the assignment of an index value are available.

² High oleic variety

³ Bailey has increased resistance to *Cylindrocladium* black rot (CBR) compared to other varieties commonly planted in Georgia.

⁴ Tifguard, TifNV-HiOL and Georgia 14-N have excellent resistance to the peanut root-knot nematode.

⁵ Georgia-12Y appears to have increased risk to *Rhizoctonia* limb rot and precautions should be taken to protect against this disease.

Step 2: Calculate Your Severity Points

Fill in the following table to calculate your severity points for each of the four major peanut diseases given the 10 determining factors. Total each column to establish your disease index values.

	Spotted Wilt	Leaf Spot	White Mold	<i>Rhizoctonia</i> Limb Rot
Variety				
Planting Date				
Plant Population				
At-plant Insecticide				
Row Pattern				
Tillage				
Classic Herbicide				
Crop Rotation				
Field History				
Irrigation				
Your Total Index Value				

Step 3: Interpret Your Index Values

Once you've calculated your index values, utilize the following information to interpret your risk level situation.

	Spotted Wilt	Leaf Spot	White Mold	<i>Rhizoctonia</i> Limb Rot
Low Risk	≤ 65	10-35	10-25	TBD
Moderate Risk	70-110	40-60	30-50	TBD
High Risk	≥ 115	65-100	55-80	TBD

When tomato spotted wilt virus incidence is high statewide or in your region, even fields with a low risk level may experience significant losses. Consider the following recommendations to reduce your spotted wilt risk level:

- Use less susceptible varieties
- Adjust your planting date
- Consult the complete Peanut Rx for additional options that may also provide limited benefit

Step 4: Develop Your Peanut Rx

Once you have calculated your total risk for each fungal disease, utilize the most conservative fungicide program as your guide for customizing a per-field prescription spray program with the assistance of your Syngenta representative. Syngenta-recommended fungicide spray programs for each risk level are included on the reverse side of this worksheet.

Programs developed through the cooperation of



This worksheet does not contain all of the varieties included in the 2020 Peanut Rx or the notes that accompany each factor. To view the complete 2020 Peanut Rx, visit the University of Georgia peanut website at www.ugapeanuts.com.

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