



MINIMIZING DISEASES OF PEANUT IN THE SOUTHEASTERN UNITED STATES

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ASSESS DISEASE RISK IN YOUR FIELD AND DEVELOP A PEANUT RX

This worksheet will lead you through the four-step process of determining your disease risk level in order to customize a Peanut Rx™ for your individual field using the reverse side of this worksheet and with the assistance of your Syngenta representative.

For each of the risk index factors, identify which option best describes the situation for your field and add the index value associated with each choice to obtain your overall disease risk value. This worksheet does not contain all of the varieties included in the 2021 Peanut Rx or the notes that accompany each factor. To view the complete 2021 Peanut Rx, visit the University of Georgia peanut website at www.ugapeanutteam.com.

Assess Your Disease Risk

Variety Selection

Variety ¹	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points
	White Mold	White Mold	White Mold
AU NPL 17 ²	10	15	15
Bailey ³	10	25	10
Florida Fancy ²	25	20	20
FloRun™ 331 ²	15	20	15
Georgia-06G	10	20	20
Georgia-07W	10	20	15
Georgia-09B ²	20	25	25
Georgia-12Y ⁶	5	15	10
Georgia-14N ²	5	15	15
Georgia-16HO ²	10	25	20
Georgia-18RU ²	10	25	20
Georgia Green	30	20	25
Sullivan ²	10	25	15
Tifguard ²	10	15	15
TifNav-HiOL ^{2,4}	5	15	15
TuRfRunner™ 297 ²	10	25	20
TuRfRunner™ 5141 ²	20	30	15

Planting Date

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

Plant Population (final stand, not seeding rate)

Plant stand:

Less than 3 plants/ft²

3 to 4 plants/ft² (3)

More than 4 plants/ft²

At-plant Insecticide

Insecticide used

None

Other than Thimet® 20G

Velum Total

Thimet 20G

Row Pattern

Peanuts are planted in:

Single rows

Twin rows

Tillage

Tillage type

Conventional

Reduced

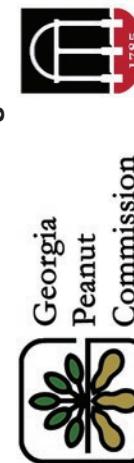
Develop Your Peanut Rx

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.

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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.

Variety	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	Soilborne Disease Points			
				Classic usage	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points
Classic applied	10	15	15	5	NA	NA	NA
No Classic applied	10	25	10	0	NA	NA	NA
Crop Rotation (with a non-legume crop)							
Years between peanut crop							
0	10	20	20	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
1	20	25	15	NA	NA	NA	
2	25	25	10	NA	NA	NA	
3 or more	15	10	15	NA	NA	NA	
Field History							
Have you had a problem controlling these diseases?							
No	25	25	20	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
Yes	15	15	15	NA	NA	NA	
Irrigation							
Does the field receive irrigation?							
No	20	25	20	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
Yes	30	20	25	NA	NA	NA	
Planting Date							
Peanuts are planted:							
Prior to May 1	30	0	10	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
May 1 to May 10	15	5	0	White Mold	White Mold	White Mold	Limb Rot
May 11 to May 25	5	10	0	0	0	0	0
May 26 to June 10	10	15	0	5	5	5	5
After June 10	15	15	0	5	5	5	5
Plant Population (final stand, not seeding rate)							
Plant stand:							
Less than 3 plants/ft ²	25	NA	0	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
3 to 4 plants/ft ² (3)	10 (15)	NA	0 (0)	White Mold	White Mold	White Mold	Limb Rot
More than 4 plants/ft ²	5	NA	5	0	0	0	0
At-plant Insecticide							
Insecticide used							
None	15	5	0	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
Other than Thimet® 20G	15	5	0	NA	NA	NA	
Velum Total	15	0	NA	NA	NA	NA	
Thimet 20G	5	0	NA	NA	NA	NA	
Row Pattern							
Peanuts are planted in:							
Single rows	10	0	5	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
Twin rows	5	0	0	White Mold	White Mold	White Mold	Limb Rot
Tillage							
Tillage type							
Conventional	15	10	0	Spotted Wilt Points	Leaf Spot Points	Soilborne Disease Points	
Reduced	5	0	5	0	0	0	0

Interpret Your Risk Total

Point total range for tomato Spotted wilt = 35-155.

Point total range for leaf spot = 10-105.

Point total range for white mold = 10-95.

Point total range for Rhizoctonia limb rot = 15-75.

Variety	Spotted Wilt Points	Leaf Spot Points	Soilborne Points	White Mold	Limb Rot
High Risk	≥ 115	65-105	55-80		
Moderate Risk	70-110	40-60	30-50		
Low Risk	≤ 65	10-35	10-25		

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