

Disease Risk Fungicide Schedules: Lower Southeast





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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 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 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 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 5; Bravo (24 oz/A) at Application 4; Bravo (24 oz/A) at Application 5; Bravo (24 oz/A) at Application 4; Bravo (24 oz/A) at Application 5; Bravo (24 oz/A) at Application 7; Bravo(R) (6 oz/A) at Application 4; Bravo (24 oz/A) at Application 2; Provost(R) Silver (13 oz/A) at Application 3; Elatus (9.5 oz/A) at Application 4; Bravo (24 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 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 1; Con

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 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

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 \$40.00/lb; Cost/acre at farm gate at use rate \$2.24. 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 \$45.00 (minus \$75.00 rebate); Cost/acre at farm gate at use rate \$7.13. Bravo (1.0 pt use rate) Farm gate price \$40.00/lb; Cost/acre at farm gate at use rate \$7.59. Gost/acre at farm gate at use rate \$7.50.00 (minus \$75.00 rebate); Cost/acre at farm gate at use rate \$8.75.00/gal; Cost/acre at farm gate at use rate \$7.13. Bravo (1.0 pt use rate) Farm gate price \$40.00/lb; Cost/acre at farm gate price \$40.00/lb; Cost/acre at farm gate at use rate \$7.13. Bravo (1.0 pt use rate) Farm gate price \$40.00/lb; Cost/acre at farm gate at use rate \$7.50. Octivacre at farm gate at use rate \$23.40.00/gal; Cost/acre at farm gate price \$205.00/gal; Cost/acre at farm gate price \$1.040.00 (minus \$75.00 rebate); Cost/acre at farm gate price \$1.040.00 (minus \$75.00 rebate); Cost/acre at farm gate price \$1.040.00 (minus \$20.00. Contex) (10 oz use rate) Farm gate price \$1.040.02; Cost/acre at farm gate at use rate \$22.75. Unbrain (32 oz use rate) Farm gate price \$1.040.20; Cost/acre at farm gate at use rate \$22.75. Unbrain (32 oz use rate) Farm gate price \$1.040.20; Cost/acre at farm gate at use rate \$22.75. Unbrain (32 oz use rate) Farm gate price \$1.040.20; Cost/acre at farm gate at use rate \$22.75. Unbrain (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 \$43.00/gal; Cost/acre at farm gate at

5600 5400 YIELD (LBS\ACRE) 5200 5000 4800 4600 4400 4200 Flatus® Echo® 720 Mazinga® ADV Lucento[®] **Priaxor**® **Priaxor®** Absolute® Maxx Aproach / Miravis® / Muscle® ADV / Elatus® / Elatus® Xemium® Xemium® /Elatus® / Prima® / Umbra® Provost® Silver / Fontelis® / Convoy®

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 60 DAP; Priaxor (8.0 fl oz/A) at 75 DAP; Convoy (32.0 fl oz/A) and 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: Chiorothalonii (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) a 75 DAP; Elatus (7.3 oz/A) at 90 DAP; Provost Silver (13 fl oz/A) at 105 DAP; Chlorothalonii (1.5 pt/A) at 120 DAP

Aproach® Prima / Fontelis®: Aproach 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 (Sderotium) | Rhizoctonia limb rot | Peanut Rust | Sclerottinia Blight | Web Blotch | Pythium pod rot | Rhizoctonia seeding disease | Pythium seedling disease | Aspergillus crown rot | When to use/comments |
|------|-------------------|------------------|---------------------------|-------------------------|-------------|------------------------|------------|--------------------|-----------------------------------|--------------------------------|--------------------------|----------------------|
|------|-------------------|------------------|---------------------------|-------------------------|-------------|------------------------|------------|--------------------|-----------------------------------|--------------------------------|--------------------------|----------------------|

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. |
|--------------|--|--|--|--|--|--|
| ᠔ 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. |
|----------------------------|--------------------------------|--|--|--|--|--|--|
| Alto 100 SL | 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. |
| ×X́ 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. |
| ∕∂ Omega [°] 500F | 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. |
| BidomilGold'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

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 | Leaf Spot | Soilborne Disease Points | | | |
| ALLNDL 47 | Points | Points | | White Mold | | |
| AU NPL 17 | 10 | 15 | | 15 | | |
| 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 ^{1,2,3} | 5 | 25 | | 20 | | |
| Georgia Green | 30 | 20 | | 20 | | |
| Sullivan ^{1,2} | 10 | 25 | | 15 | | |
| Tifguard⁴ | 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 | Soilbo White Mold | rne Disease Points 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 | | |
| way 20 to June 10 | 1U | 10 | U | 5 | | |
| After June 10 | 15 | 15 | 0 | 5 | | |
| PLANT POPULATION (fin | al stand, not | seeding ra | te) | | | |
| Plant stand | Spotted Wilt | Leaf Spot | Soilbo | rne Disease Points | | |
| Plant stand: | Points | 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 | | |
| AI-PLANT INSECTICIDE | | | 0.111 | D: D : . | | |
| Insecticide used | Spotted Wilt Points | Leat Spot | White Mold | I imb Pot | | |
| 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 | Leaf Spot | Soilbo | rne Disease Points | | |
| Single rows | 10 | Points | white word | | | |
| Twin rows | 5 | 0 | 0 | 0 | | |
| TILLAGE | - | - | - | - | | |
| | Spotted Wilt | Leaf Spot | Soilbo | rne Disease Points | | |
| ппаде туре | Points | Points | White Mold | Limb Rot | | |
| Conventional | 15 | 10 | 0 | 0 | | |
| Reduced | 5 | 0 | 5 | 5 | | |
| CLASSIC [®] HERBICIDE | 0 | 1 (2 | | B1 B 1 1 | | |
| Classic usage | Spotted Wilt Points | Leat Spot Points | Soilbo White Mold | rne Disease Points Limb Rot | | |
| Classic applied | 5 | NA | NA | NA | | |
| No Classic applied | 0 | NA | NA | NA | | |
| CROP ROTATION (with a | non-legume | crop) | 0 | Discours Delinte | | |
| rears between | Spotted Wilt | Leat Spot | Sollbo White Mold | I imb Pot | | |
| 0 | NA | 25 | 25 | 20 | | |
| 1 | NA | 15 | 20 | 15 | | |
| 2 | NA | 10 | 10 | 10 | | |
| 3 or more | NA | 5 | 5 | 5 | | |
| Have you had a problem | Spotted Wilt | Leaf Spot | Soilbo | rne Disease Points | | |
| controlling these diseases? | Points | Points | White Mold | Limb Rot | | |
| No | NA | 0 | 0 | 0 | | |
| Yes | NA | 10 | 15 | 10 | | |
| IRRIGATION | | | | | | |
| Does the field | Spotted Wilt | Leaf Spot | Soilbo | rne Disease Points | | |
| receive irrigation? | Points | 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

⁶ Tifguard, TifNV-HiOL and Georgia 14-N have excellent resistance to the peanut root-knot nematode.
⁶ Georgia-12Y appears to have increased risk to Rhizoctonia limb rot and precautions should be taken to protect

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 | Rhizoctonia 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 | Rhizoctonia 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.

EXTENSION SERVICE

Programs developed through the cooperation of



ENVIRONMENTAL SCIENCES

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.ugapeanuts.com.

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