

PEANUT DISEASES (Commercial Production)

Steve Vann

| Disease | Fungicide* | Active Ingredient | Rate/Acre | Days to Harvest | Comments |
|-------------------|----------------------------|---------------------------------|--|------------------------|--|
| Black Root Rot | Vapam | metam sodium | 7.5 - 11 gal | N/A | Inject 12" below bed surface. Wait 2 - 3 weeks before planting if weather is warm, 4 or more weeks if weather is cold. Do not plant until all residue of the chemical is gone. |
| Root and Stem Rot | Terraclor FL Blocker 4F | PCNB PCNB | 2 - 4 pt/8 - 10 gal 2 - 4 pt/8 - 10 gal | | In furrow spray to the seed and surrounding soil at planting. 8 - 12 inch band spray, then incorporate. Check label. |
| Early Leaf Spot | Tenn-Cop 5E | copper | 2 qt | 14 | Apply every 14 days if conditions favor disease. Use at least 20 gpa volume by ground, 5 gpa by air. Good coverage is essential. |
| | Mankocide | mancozeb + copper hydroxide | 4 lb | 14 | See label for further information. |
| | Kocide 2000 | copper hydroxide | 1.25 - 2.25 lb | | See label for further information. |
| Early Leaf Spot | Bravo Ultrex | chlorothalonil | 0.9 - 1.36 lb | 14 | Refer to label information. |
| Late Leaf Spot | Folicur | tebuconazole | 7.2 fl oz | 14 | |
| Limb Rot | Headline | pyraclostrobin | 6 - 15 fl oz | 14 | See label for specific restrictions and other information. |
| Stem Rot | Montero Twin Pak | flutolanil + propiconazole | 1 lb | 40 | Apply as above. Do not exceed 3.34 lbs per acre per season. |
| | Moncut 70DF | flutolanil | 0.36 - 2.86 lb | | See label. Rates vary with program. |
| | Tilt | propiconazole | See label rates for ELS and LLS. | 14 | Tilt and chlorothalonil may also be used as a combo spray. See label for directions. |
| | Stratego | trifloxystrobin + propiconazole | 7 - 14 fl oz | 14 | Refer to label for directions and precautions. |
| | Artisan | flutolanil | 26 oz | 14 | See label. Rates and timing vary. |
| | Evito 480SC | fluoxastrobin | 5.7 fl oz | 14 | Group 11 fungicide. See label for restrictions. |
| | Muscle 3.6F | tebuconazole | 7.2 fl oz/application | 14 | Four consecutive applications. Begin at pegging. 14 day intervals. |
| | Convoy | flutolanil | 0.5 - 2 pts | See label. | Rates vary with application program. Do not apply within 40 days of digging. |
| Early Leaf Spot | Endura | boscalid | 6.5 - 10 oz | See label. | See label. |
| Late Leaf Spot | TiltBravo SE | propiconazole + chlorothalonil | 1.5 - 2.5 pts | 14 | Apply 30 - 40 days after planting or at first sign of disease. |
| | Orius 3.6F | tebuconazole | 7.2 fl oz | 14 | See label. |
| | Proline 480SC | prothioconazole | 5 - 5.7 oz | 14 | Foliar and soilborne applications. Rates vary. See label. |
| | Provost 433SC | prothioconazole + tebuconazole | 7 - 8 oz | 14 | Foliar and soilborne applications. Rates vary. See label. |
| | Abound FL | azoxystrobin | 6 - 18.5 oz | 14 | See label. Application restrictions apply. |
| | Absolute 500SC | tebuconazole + trifloxystrobin | 3.5 oz | See label. | Apply on a 10 - 14 day schedule. See label. |

PEANUT DISEASES (Commercial Production) – continued

| Disease | Fungicide* | Active Ingredient | Rate/Acre | Days to Harvest | Comments |
|------------|-------------------|--------------------------------|-------------|-----------------|---|
| Web Blotch | Tilt | propiconazole | 4 fl oz | 14 | Apply when disease is first observed. See labels for other diseases controlled, other rates and restrictions. |
| | Propimax EC | propiconazole | 4 fl oz | 14 | |
| | TiltBravo | propiconazole + chlorothalonil | 180 oz/10A | 14 | |
| | Folicur | tebuconazole | 7.2 fl oz | 14 | Apply when disease is first observed. |
| | Endura | boscalid | 8 - 10 oz | | See label. |
| | Bravo WeatherStik | chlorothalonil | 1.5 pt | 14 | See label for additional restrictions. Also for control of early and late leaf spot. |
| | Topsin M 70WP | thiophanate-methyl | 0.5 lb | 14 | See label. |
| | Abound FL | azoxystrobin | 6 - 18.5 oz | 14 | See label. Application restrictions apply. |

*NOTE: Read and follow label directions carefully.

PEANUT NEMATODES (Commercial Production)

Terry Kirkpatrick, Cliff Coker and Scott Monfort

| Disease | Nematicide | Active Ingredient | Rate Per Acre | Comments |
|-----------|----------------------|---|---------------|--|
| Nematodes | Temik 15 G | aldicarb | 10 lb | Apply in a band over the row and incorporate into the soil prior to planting. Do not leave granules on the soil surface. |
| | Vapam HL or K-Pam HL | sodium methylthiocarbamate or potassium methylthiocarbamate | 7.5 - 11 gal | See label directions under black root rot control. |
| | Telone II | 1,3-dichloropropene | 4 - 6 gal | Inject 12 inches below the soil surface. Allow 2 weeks before planting. |

Nematodes are not currently a serious threat to peanut production in Arkansas; therefore, we do not routinely recommend nematicides, even though certain products are labeled for this use. The peanut root-knot nematode is extremely rare in the state. It is possible, however, that other nematode species such as the lesion nematode or the ring nematode may reach economic levels in some fields. If nematodes are suspected, soil samples should be collected in the fall (September-October) and sent to the Nematode Diagnostic Laboratory for analysis before the next crop is planted.

This information was current as of October 1, 2009, and applies only to Arkansas and may not be appropriate for other states or locations. The listing of any product in this publication does not imply endorsement of that product or discrimination against any other product by the University of Arkansas Division of Agriculture. *Every effort was made to ensure accuracy, but the user of any crop protection product must read and follow the most current label on the product – The Label is the Law.* For further assistance, contact the local Cooperative Extension Service office.