

**PEANUT DISEASES (Commercial Production)**

Terry Kirkpatrick

<b>Disease</b>	<b>Fungicide</b>	<b>Active Ingredient</b>	<b>FRAC Code*</b>	<b>Rate/Acre</b>	<b>Days to Harvest</b>	<b>Comments</b>
Early and Late Leaf Spot	Various brands	cupric hydroxide 61.4 DF 53.8 DF 46.1 DF 77 WP	M1	1.5 - 3 lb 1 - 2.2 lb 0.75 - 1.25 lb 1.5 - 3 lb	0	
	Mankocide	cupric hydroxide + mancozeb	M1 + M3	4 lb	14	
	Various brands	mancozeb M 45 F 45 DF	M3	1 - 2 lb 0.8 - 1.6 qt 1 - 2 lb	14	
	Various brands	chlorothalonil M5 720 F, 6 F 90 DF	M5	1 - 5 lb 0.9 - 1.36 lb 0.875 - 1.25 lb	14	
	Tilt-Bravo SE	propiconazole + chlorothalonil	3 + M5	1.5 pt	14	
	Endura 70 WDG	boscalid	7	10 oz	14	
Early and Late Leaf Spot Limb Rot	Stratego 250 EC	propiconazole + trifloxystrobin	3 + 11	7 - 14 fl oz	14	
	Absolute 500SC	tebuconazole + trifloxystrobin	3 + 11	3.5 - 7 oz	14	
	Various brands	thiophanate-methyl 4.5 F 70 WDG 85 WDG	1	10 fl oz 0.5 lb 0.4 lb	14	
Early and Late Leaf Spot Limb Rot Stem Rot	Provost 433 SC	prothioconazole + tebuconazole	3 + 3	7 - 10.7 fl oz	14	
	Proline 480 SC	prothioconazole	3	5.7 fl oz	14	
	Quash 50 WDG	metconazole	3	2.5 - 4 oz	14	

**PEANUT DISEASES (Commercial Production) – continued**

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Early and Late Leaf Spot Limb Rot Stem Rot	Various brands	tebuconazole 3.6 F	3	7.2 fl oz	14	
	Artesian 3.6 F	flutolanil + propiconazole	7 + 3	16 - 32 fl oz	40	
	Abound 2.08 F	azoxystrobin	11	12.3 - 26.4 fl oz	14	
	Evito 480 SC	fluoxastrobin	11	5.7 fl oz	14	
	Headline 2.09 EC	pyraclostrobin	11	6 - 15 fl oz	14	
Stem Rot ( <i>Sclerotium rolfsii</i> ) Limb Rot	Convoy 40 SC	flutolanil	7	13 - 32 fl oz	40	

\***FRAC Code** – Fungicides with the same FRAC Code have the same mode of action. See <http://www.frac.info/frac/index.htm> for an explanation of the FRAC Codes. Rotation of fungicides with different FRAC Codes could minimize the development of fungicide-resistant strains.

**PEANUT NEMATODES (Commercial Production)**

Terry Kirkpatrick

<b>Disease</b>	<b>Nematicide</b>	<b>Active Ingredient</b>	<b>Rate Per Acre</b>	<b>Comments</b>
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 methyldithiocarbamate or potassium methyldithiocarbamate	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.