

DGR/PME/PF/03-2023(E)

Label Claim Pesticides for Groundnut - A Ready Reckoner

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(Updated list of pesticides registered for
use in groundnut as on 01/02/2023)

SOURCE: [https://ppqs.gov.in/divisions/
cib-rc/major-uses-of-pesticides](https://ppqs.gov.in/divisions/cib-rc/major-uses-of-pesticides)



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(An ISO 9001:2015 Certified Institute)

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Sr. No.		Name of the pesticide	Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
A. DEFOLIATORS						
a) Tobacco caterpillar	1.	Flubendiamide 20% WG	60	300	500	31
	2.	Methomyl 40% SP	300 to 350	750 to 850	500	07
	3.	Methoxyfenozide 21.8% SC	210	875	500	26
	4.	Quinalphos 20% AF	250 to 375	1250 to 1775	750 to 1000	30
	5.	Flubendiamide 03.50% + Hexaconazole 05% WG	52.5 + 75	1500	500	31
	6.	Novaluron 05.25% + Indoxacarb 04.50% SC	45.94 + 39.38	875	500	34
	7.	Thiamethoxam 12.60% + Lambda-cyhalothrin 09.50% ZC	27.5	150	500	28
b) Gram pod borer	1.	Methoxyfenozide 21.8% SC	210	875	500	26
	2.	Novaluron 05.25% + Indoxacarb 04.50% SC	45.94 + 39.38	875	500	34
	3.	Thiamethoxam 12.60% + Lambda-cyhalothrin 09.50% ZC	27.5	150	500	28
c) Groundnut leafminer	1.	Deltamethrin 02.80% EC	12.50	500.0	400 to 600	03
	2.	Lambda-cyhalothrin 05% EC	10 to 15	200 to 300	400 to 500	10
	3.	Methoxyfenozide 21.8% SC	210	875	500	26
	4.	Quinalphos 25% EC	250	1000	500 to 1000	30

Sl No		Name of the pesticide	Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
A. SUCKING PESTS						
a) Aphids	1.	Chlorpyrifos 20% EC	200	1000	500 to 1000	-
	2.	Imidacloprid 17.80% SL	20 to 25	100 to 125	500	40
b) Thrips	Seed Treatment					
	1.	Imidacloprid 18.50% + Hexaconazole 01.50% FS	37 + 3	200	NA	NA
	Foliar Spray Application					
	1.	Lambda-cyhalothrin 05% EC	10 to 15	200 to 300	400 to 500	10
	2.	Quinalphos 25% EC	350	1400	500 to1000	30
c) Leafhopper	Seed Treatment					
	1.	Imidacloprid 18.50% + Hexaconazole 01.50% FS	37 + 3	200	NA	NA
	Foliar Spray Application					
	1.	Imidacloprid 17.80% SL	20 to 25	100 to 125	500	40
	2.	Lambda-cyhalothrin 05% EC	10 to 15	200 to 300	400 to 500	10
	3.	Quinalphos 25% EC	350	1400	500 to1000	30
	4.	Thiamethoxam 12.60% + Lambda-cyhalothrin 09.50% ZC	27.5	150	500	28

Sl No	Name of the pesticide		Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
A. SOIL BORNE INSECTS						
a) White grubs	Seed Treatment					
	1.	Imidacloprid 18.50% + Hexaconazole 01.50% FS	37 + 3	200	NA	NA
	Soil Application					
	1.	Carbofuran 03% CG	1000	33300	-	-
	2.	Chlorpyrifos 20% EC	225	1125	500 to 1000	-
	3.	Thiamethoxam 0.4% + Bifenthrin 0.8% GR	48+96	12	-	105
b) Termites	4.	Fipronil 40% + Imidacloprid 40% WG	100 + 100 to 120 + 120	250 to 300	1000	106
	Seed Treatment					
	1.	Imidacloprid 18.50% + Hexaconazole 01.50% FS	37 + 3	200	NA	NA
	Soil Application					
	1.	Thiamethoxam 75% SG	94	125	500 to 1000	57
c) Pod borer	2.	Thiamethoxam 0.4% + Bifenthrin 0.8% GR	48+96	12	-	105
	1.	Carbofuran 03% CG (Soil Application)	1500	50000	-	-
B. RODENTS						
a) Field Rat, Large Bandicota	1.	Bromadiolone 00.005% RB (Bait application)	0.005	-	-	-

Sl No	Name of the pesticide		Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
A. FOLIAR DISEASES						
a) Leaf Spot/(Early and Late leaf spot)	Seed Treatment					
	1.	<i>Pseudomonas fluorescens</i> 0.5% WP (TNAU Strain Accession No. ITCC BE 0005)	-	100/Kg seed	As required	NA
	2.	<i>Pseudomonas fluorescens</i> 1.5% AS (ICAR-CRDE, KVK Strain Accession No. MTCC - 2539)-9(3b)	-	100/Kg seed	As required	NA
	3.	Mancozeb75%WP	18.75 to 22.50/10 Kg seed	25 to 30/10 Kg seed	0.1 (water slurry)	NA
	4.	Carbendazim 12%+ Mancozeb63%WP	18.80/10 Kg seed	25/10 Kg seed	-	NA
	5.	Carbendazim 25%+ Mancozeb 50% WS	(7.50+15.00) to (8.75+17.50) /10 Kg seed)	30-35/10 Kg seed	0.1(water slurry)	NA
	6.	Imidacloprid 18.5% + Hexaconazole 1.5% FS	37 + 3	200	NA	NA
	Soil Application					
	1.	<i>Pseudomonas fluorescens</i> 0.5% WP (TNAU Strain Accession No. ITCC BE 0005)	-	1000	Spread in 1 ha land	NA
	2.	<i>Pseudomonas fluorescens</i> 1.5% AS (ICAR-CRDE, KVK Strain Accession No. MTCC- 2539)-9(3b)	-	1000	Spread in 1 ha land	NA

Sl No	Name of the pesticide	Dosage/ha			Waiting period (days)
		a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
Leaf Spot/(Early and Late leaf spot)	Foliar Spray Application				
	1. Bitertanol25%WP	250	1000	500	30
	2. Carbendazim 50%WP	112.5	225	750	-
	3. Chlorothalonil 75% WP	0.66 to 0.863	0.88 to 1.150	600 to 800	14
	4. Difenoconazole25% EC	25/100 L	100/100 L	As required	34
	5. Hexaconazole 5% EC	75	1500	500	30
	6. Hexaconazole 75% WG	50	66.7	500	31
	7. Mancozeb75%WP	1125 to 1500	1500 to 2000	750	-
	8. Metiram70%WG	1400	2000	500 to 750	16
	9. Propiconazole 25% EC	125	500	750	15
	10. Pyraclostrobin 20% WG	100	500	500	29
	11. Sulphur40%SC	2250 to 3000	5650 to 7500	750 to 1000	-
	12. Sulphur 80% WP	2000 to 4000	2500 to 5000	750 to 1000	-
	13. Sulphur85%DP	12750 to 17000	15000 to 20000	-	-
	14. Tebuconazole25.9%EC	125 to 187.5	500 to 750	500	49
	15. Tebuconazole25% WG	125 to 187.5	500 to 750	500	22
	16. Thiophanatemethyl 41.7% SC	500	1000	500	27
	17. Carbendazim12%+ Mancozeb63%WP	375	500	500	72
	18. Carbendazim 25 %+ Flusilazole 12.5% SE	240 to 300	640 to 800	500	72
	19. Flubendamide 3.5% + Hexaconazole 5% WG	52.5 + 75.0	1500	500	31
	20. Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC	150	300	500	20

Sl No		Name of the pesticide	Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
Leaf Spot/(Early and Late leaf spot)	1.	Mefen trifluconazole 133 g/l + Fluxapyroxad 89 g/l + Pyraclostrobin 178 g/l SC	250	625	500	37
	2.	Metiram 55% + Pyraclostrobin 5% WG	900 to 1050	1500 to 1750	500	42
	3.	Prochloraz 34.8% + Propiconazole 7.8% EC	300.0 + 67.5	750	500	19
	4.	Pyraclostrobin 133 g/l + Epoxiconazole 50g/l SE	114.37 to 137.25	625 to 700	500	21
a) Rust	Foliar Spray Application					
	1.	Bitertanol 25% WP	250	1000	500	30
	2.	Chlorothalonil 75% WP	0.66 - 0.863	0.88-1.150	600-800	14
	3.	Difenoconazole 25% EC	25/100 L	100/100 L	As required	34
	4.	Mancozeb 75% WP	1125 to 1500	1500 to 2000	750	-
	5.	Propiconazole 25% EC	125	500	750	15
	6.	Tebuconazole 25.9% EC	125 to 187.5	500 to 750	500	49
	7.	Tebuconazole 25% WG	125 to 187.5	500 to 750	500	22
	8.	Flubendamide 3.5% + Hexaconazole 5% WG	52.5 + 75	1500	500	31
	9.	Mefen trifluconazole 133 g/l + Fluxapyroxad 89 g/l + Pyraclostrobin 178 g/l SC	250	625	500	37
	10.	Prochloraz 34.8% + Propiconazole 7.8% EC	300.0 + 67.5	750	500	19

Sl No	Name of the pesticide		Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
A. SOIL-BORNE DISEASES						
a) Collar rot	Seed Treatment					
	1.	Mancozeb75%WP	18.75 to 22.50/10 Kg seed	25 to 30/10 Kg seed	0.1 (water slurry)	NA
	2.	Tebuconazole 2% DS	200 to 250/10 Kg seed	10000 to 12500/10 Kg seed		NA
	3.	Tebuconazole 5.4% FS	0.24/10 Kg seed	-	-	NA
	4.	Thiram 75% WS	37.5	50	1	7 to 10
	5.	Carbendazim12%+ Mancozeb63%WP	18.80/10 Kg seed	25/10 Kg seed	-	NA
	6.	Carbendazim 25%+ Mancozeb 50% WS	(7.50 +15.00) to (8.75+17.50) /10 Kg seed)	30-35/10 Kg seed	0.1(water slurry)	NA
	7.	Carboxin37.5%+ Thiram37.5%WS	22.5/10 Kg seed	30/10 Kg seed	0.1 (waterslurry)	NA
	8.	Imidacloprid 18.5% + Hexaconazole 1.5% FS	37 + 3	200	NA	NA
	9.	Mancozeb 63% + Carbendazim 12% WS				
	10.	Prochloraz 5.7% + Tebuconazole 1.4% ES				
	11.	Penflufen 13.28% + Trifloxystrobin 13.28% FS	12.32 + 12.32 to 15.4 + 15.4	80 to 100	-	-
	12.	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	2.45 + 10.50 + 15.75	70	-	-

Sl No	Name of the pesticide		Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
A. SOIL-BORNE DISEASES						
a) Stem rot	Seed Treatment					
	1.	Tebuconazole 2% DS	200 to 250/10 Kg seed	10-12.5/10 Kgseed		NA
	2.	Tebuconazole5.4% FS	0.24 g/10 Kg seed			NA
	3.	Carboxin37.5%+ Thiram37.5%WS	22.5/10 Kg seed	30/10 Kg seed	0.1 (water slurry)	NA
	4.	Imidacloprid 18.5% + Hexaconazole 1.5% FS	37 + 3	200	NA	NA
	5.	Prochloraz 5.7% + Tebuconazole 1.4% ES	1.80+ 0.45/10 Kg seed	3/10 Kg seed	-	NA
	6.	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	2.45+10.50+ 15.75	70	-	NA
	7.	Penflufen 13.28% + Trifloxystrobin 13.28% FS	12.32+12.32 - 15.40+15.40	80 to 100	-	NA
	Foliar Spray Application					
	1.	Carbendazim 25% + Flusilazole 12.5% SE	240 to 300	640 to 800	500	72
b) Dry root rot	Seed Treatment					
	1.	Tebuconazole 2% DS	200 to 250/10 Kg seed	10000 to 12500/10 Kgseed		NA
	2.	Carbendazim12%+ Mancozeb63%WP	18.80/10 Kg seed	25/10 Kg seed	-	NA

Sl No		Name of the pesticide	Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
Dry root rot	Seed Treatment					
	1.	Carbendazim 25%+ Mancozeb 50% WS	(7.50 +15.00) to (8.75+17.50) /10 Kg seed	30 to 35/10 Kg seed	0.1(water slurry)	NA
	2.	Carboxin37.5%+ Thiram37.5%WS	22.5/10 Kg seed	30/10 Kg seed	0.1 (water slurry)	NA
	3.	Mancozeb 63% + Carbendazim 12% WS	18.80/10 Kg seed	25/10 Kg seed	-	NA
	4.	Prochloraz 5.7% + Tebuconazole 1.4% ES	1.8+ 0.45/10 Kg seed	3/10 Kg seed	-	NA
	5.	Penflufen 13.28% + Trifloxystrobin 13.28% FS	12.32 + 12.32 to 15.40 + 15.40	80 to 100		-
a) Seed rot	Seed Treatment					
	1.	Carboxin 37.5% + Thiram 37.5%WS	22.5/10 Kg seed	30/10 Kg seed	0.1 (water slurry)	NA
	2.	Penflufen 13.28% + Trifloxystrobin 13.28% FS	12.32 + 12.32 to 15.40 + 15.40	80 to 100		-

Sl No		Name of the pesticide	Dosage/ha			Waiting period (days)
			a.i. (g)	Formulation (g or mL)	Dilution in water (L)	
a) Wilt	Seed Treatment					
	1.	Trichoderma viride 1.15% WP (T Stanes Tv-1 Strain Accession No. MTCC 5170)		40/10 Kg seed	As required	NA
	2.	Tebuconazole 5.4% FS	0.24/10 Kg seed			
	Soil Application					
	1.	Trichoderma viride 1.15% WP (T Stanes Tv-1 Strain Accession No. MTCC 5170)		2500/100 Kg well decomposed farm yard manure	Spread in 1 ha land	NA



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