



PRODUCTION GUIDELINE FOR 1 HECTARE OF GROUNDNUTS

Seed requirements: Varies depending with seed size, planting dates and generally the variety. About 100 kgs of seed is adequate to cover 1 hectare

Groundnuts grow well on sandy soil and do not favour acid soils - pH required 5.3 - 5.8 best

Sow seed as soon as the first effective rains fall, spacing is between 30 - 45 cm between rows and 5 - 8cm within rows

Harvesting time: Encouraged to be done when about 65 - 85 % of the pods contain mature kernels

Yield in terms of the pod yield, generally varies from 1.5 - 3.5 tones per hectare

| Fertilizer requirements | | Product | Rate/ha | Nitrogen | Phosphate | Potash | Sulphur | Calcium | Boron | Comments/Remarks |
|-------------------------|---------------------|------------------|---------|----------|-----------|--------|---------|---------|-------|---|
| Basal Dressing | Agricura Compound C | 5:15:12:11S+0.1B | 300kg | 15 | 45 | 36 | 33 | - | 0.3 | All applied at planting Top dress 8-12 WAP |
| Top Dressing | Gypsum | 22%Ca & 16%S | 200 kg | | | | 35 | 44 | | |
| | OR | TOTALS | 500kg | 15 | 45 | 36 | 68 | 44 | 0.3 | |
| Base dressing | Agricura Compound D | 7:14:7:9S | 300 | 21 | 42 | 21 | 26.4 | - | - | All applied at planting Top dress 8-12 WAP |
| Top Dressing | Gypsum | 22Ca:17.5S | 200 kg | | | | 35 | 44 | | |
| | OR | TOTALS | 450 kg | 21 | 42 | 21 | 61.4 | 44 | | |

Herbicides, Pesticides and Fungicides.

| Problem | Product | Application rate. | Application / Comments | Product for 1Ha |
|---|----------------------------|----------------------------------|---|-----------------|
| Broad leaved weeds | Basagran 48 EC/Bentazon | 225mls/15-16 lt knapsack | Post emergent after 3 leaf stage of the crop. Higher rates for nut grass controll | 3 - 5 lt |
| | Prometryn | 200 - 300mls/15 - 16lt knapsack | Pre-emergent. Apply soon after planting | 3 - 4lt |
| | Terbutryn 50SC | 180-240mls/15-16lt knapsack | Pre-emergent apply soon after planting. Use higher rates for heavy clays | 2.5-3 lt |
| Mainly grasses, B/L weeds & suppression of nut sedges | Dual 960EC/Metolachlor 960 | 104-152mls/15-16lt knapsack | Pre-emergent. Apply immediately after planting | 1.3 - 1.9 lt |
| | Alachlor/Laso | 240 - 320mls/15-16lt knapsack | Pre-emergent. Apply immediately after planting | 3 - 4 lt |
| | Acetochlor/Harness | 80 - 120mls/15 - 16lt knapsack | Pre-emergent. Apply immediately after planting | 1 - 1.5lt |
| | Strongarm | 3 grams/15 - 16lt knapsack | Pre-emergent, controls grasses, B/L weeds & supresses nut sedges | 30grams |
| Grasses only | Agil 100EC/Propaquizafop | 100 - 130 mls/15 - 16lt knapsack | Post emergent to annual grasses, Higher rates for perennial grasses | 1 - 2 lt |
| | Gallant Super | 100 - 300mls/15 - 16lt knapsack | Post emergent to annual grasses, Higher rates for perennial grasses | 1 - 4lt |
| Seed dressing | Apron Star | 250 grms/100kgs of seed | Mix with seed prior to planting. Add about 650 mls of water and gently mix. | 250grms |
| | Thiram 80WP | Seed dressing | Mix 100g in 500ml water/100kg seed | 100 grms |
| Cutworms | Lambda cyalothrin | 16 - 20 mls/15 - 16lt knapsack | Apply at planting or spray over the top soon after emergence | 200mls |
| | Decis 2.5 EC | 8mls/15-16lt knapsack | Apply at planting or spray over the top soon after emergence | 125 mls |
| Aphids only | Dimethoate 40EC | 30mls/5 - 16lt knapsack | Apply as a full cover spray & repeat as necessary | 800 - 1000mls |
| Cercospora Leaf Spot | Benomyl 50WP/Bavistin | 40grms/15 - 16lt knapsack | Full cover spray on first signs of infection and repeat every 14 days | 500 - 750 grms |
| Botrytis, Stem Rot | Folicure/tebuconazole | 20 - 30 mls/15 - 16lt knapsack | Full cover spray on first signs of infection and repeat every 14 days | 500mls |
| Leaf Rust & Blotch | Dithane M45 | 100 grms/15 - 16lt knapsack | Full cover spray, applied as a preventative measure every 10 - 14 days | 1 - 2 kgs |
| | Wettable Sulphur | 20 - 30 grms/15 - 16lt knapsack | Apply at first signs of infection/after every heavy rains/at 14 day interval | 200 - 400 grms |
| | Bravo/Chlorothalonil | 30mls/5 - 16lt knapsack | Full cover spray on first signs of infection and repeat every 14 days | 2 lt |
| Semi loopers, aphids | DDVP/Dichlovos | 30mls/15-16lt knapsack | Apply as a full cover spray & repeat as necessary | 500mls |
| Beetles, Heliothis | Endosulfan/Thionex | 30 mls/15 - 16lt knapsack | Apply as a full cover spray & repeat as necessary | 500 mls |
| Bollworms | Carbaryl 85WP | 40 grms/15-16 lt knapsack | Apply as a full cover spray & repeat as necessary | 1kg |
| Larger grain borer | Actellic Gold Dust | 25grms/50kgs of grain | Mix well with shelled grain and store in favourable conditions | |

Consult **Agricura Agronomy team for technical information** on herbicide combinations (tank mixtures), insecticide combinations, insecticide rotations

Approximately 12.5 x 16 litre knapsacks will cover 1 hectare and apply 200 litres of water

Approximately 14 x 15 litre knapsacks will cover 1 Ha and apply 200 litres of water

ALWAYS READ LABELS BEFORE USING THE PRODUCTS

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