

SORGHUM PRODUCTION REQUIREMENTS FOR 1 HECTARE

Seed: Generally, require about 15kgs of seed to achieve a population of between 300 000 - 350 000 plants per hectare.

Planting time: Mid to late November. Plant spacing of 90cm between rows and between 24 - 30 plants per metre of row depending on variety

Yield/Ha: Ranges from 4 - 8 tonnes per ha, depending on variety, fertilisation, pest and disease management (Good Agronomic Practices)

FERTILIZER REQUIREMENTS	PRODUCT	RATE/HA	NITROGEN	PHOSPHATE	POTASH	SULPHUR	COMMENTS
Basal dressing: Compound D Top Dressing	7:14:7	300	21	42	21		All applied at planting. Apply all at 6 - 8 weeks after planting
	Ammonium Nitrate	250	87				
	Total		108	42	21		
OR							
Basal: Double D Top Dressing	14:28:14	200	28	56	28		All applied at planting. Apply all at 6 - 8 weeks after planting
	Ammonium Nitrate	250	87				
	Total		115	56	28		

HERBICIDES, INSECTICIDES, FUNGICIDES

Problem	Product	Application rate	Application details
Mainly Broad Leaved Weeds & Some Grasses	Bentazone/Basagran 48EC	3 - 5 l/ha	Also controls sedges, dose rate depends on sedge growth. Apply at any stage of crop growth
	MCPA 480SL	1.25 - 2.5l per ha	Apply when crop plants are 15 - 25cm tall, apply later if directed
	Atrazine	3.5 - 4.5l per ha	Pre & post emergent on soils which are anything above 25% clay
	Terbutryn 50SC/Ingran	2 - 3 l/ha tank mix with atrazine	Strictly pre-emergent to weeds and crop, DO NOT apply on soils with less than 20% clay
Aphids	Dimethoate 40 EC Malathion 50EC	560mls - 700mls/hectare 2l/hectare	Repeat as necessary, thorough wetting within the funnel is necessary Repeat as necessary
Black Maize Beetle	Chlopyrifos 48EC	1 litre per ha	Spray into plant furrow just behind the planter shoe before closing the furrow
Heliothis bollworm	Fenvelerate 20EC Thunder	200mls per ha 220mls/100 litres of water	Apply when pest is noticed from flowering onwards, directly spray into ears ensuring full cover Apply when pest is noticed from flowering onwards, directly spray into ears ensuring full cover
Stalkborer	Carbaryl 85WP	625grams/hectare	Full Cover Spray, Repeat as necessary
Termites	Chlopyrifos 48EC	1litre/hectare	Band apply at planting or spray 8 - 10 weeks after planting
Fall armyworm A/armyworm Bollworms	Avaunt/Steward	250mls/hectare	Apply at first signs of infection, as a F.C.S, repeat as necessary
	Cartap hydrochloride	800g/hectare	Apply at first signs of infection, as a F.C.S, repeat as necessary
	Bel	38mls/hectare	Apply at first signs of infection, as a F.C.S, repeat as necessary
	Lannate/Methomyl	330grams/hectare	Apply at first signs of infection, as a F.C.S, repeat as necessary
	Acephate Carbaryl 85WP	650grams 1kgs/hectare	Apply at first signs of infection, as a F.C.S, repeat as necessary F.C.S Repeat as necessary
Damping off disease	Thiram 80WP	75grams/50kgs of seed	Seed dressing
LBG, beetles, weevils	Actellic Gold Dust	25g/50 kgs of grain	Mix 25grams/50kgs of grain or 500g/ton of grain

Approximately 12.5 x 16 litre knapsacks will cover 1 hectare and apply 200 litres of water **ALWAYS READ PRODUCT LABELS BEFORE USE**

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